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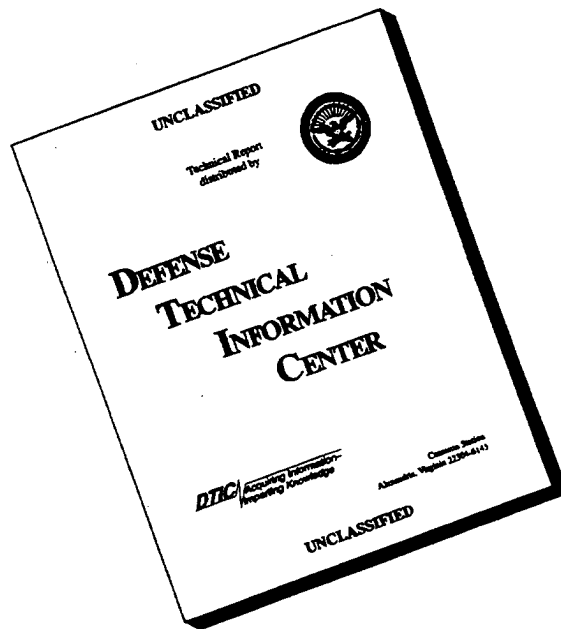
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1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE 05/00/90	3. REPORT TYPE AND DATES COVERED	
4. TITLE AND SUBTITLE HYDROGEOLOGIC AND WATER QUALITY CONDITIONS, SOUTH TANK FARM PLUME, RMA			5. FUNDING NUMBERS	
6. AUTHOR(S)				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) MK-ENVIRONMENTAL SERVICES DENVER, CO			8. PERFORMING ORGANIZATION REPORT NUMBER 94080R02	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) SHELL OIL COMPANY DENVER, CO			10. SPONSORING/MONITORING AGENCY REPORT NUMBER	
11. SUPPLEMENTARY NOTES				
12a. DISTRIBUTION / AVAILABILITY STATEMENT APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) THE PURPOSE OF THIS REPORT IS TO PRESENT AN UPDATED, MORE COMPREHENSIVE CHARACTERIZATION OF THE DISTRIBUTION OF CONTAMINANTS IN THE SOUTH TANK FARM PLUME (STFP) FOR DEVELOPING AND EVALUATING ALTERNATIVE TECHNOLOGIES UNDER THE IRA PROPOSED BY SHELL. IN ADDITION TO PROVIDING THE RESULTS OF THE SPRING 1990 FIELD INVESTIGATION, INFORMATION FROM PREVIOUS FIELD AND LABORATORY INVESTIGATIONS IS INCLUDED TO EVALUATE THE SIGNIFICANCE OF BIODEGRADATION IN CONTROLLING THE DISTRIBUTION AND CONCENTRATION OF STFP CONTAMINANTS.				
14. SUBJECT TERMS WELL LOGS, HYDRAULIC PROPERTIES TESTING DATA			15. NUMBER OF PAGES	
			16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT UNCLASSIFIED	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT	

NSN 7540-01-280-5500

Standard Form 298 (Rev. 2-89)
Prescribed by ANSI Std. Z39-18
298-102

HYDROGEOLOGIC AND WATER QUALITY CONDITIONS
SOUTH TANK FARM PLUME, RMA

Prepared by
MK-Environmental Services
Denver, Colorado

Prepared for
Shell Oil Company
Denver, Colorado

May 1990

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1.0 INTRODUCTION

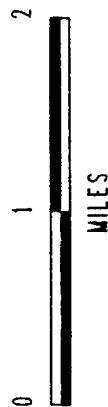
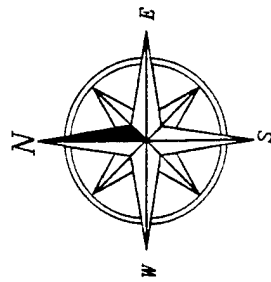
1.1 PURPOSE AND SCOPE

The purpose of this report is to present an updated, more comprehensive characterization of the distribution of contaminants in the South Tank Farm Plume (STFP) for developing and evaluating alternative technologies under the IRA proposed by Shell. In addition to providing the results of the Spring 1990 field investigation, information from previous field and laboratory investigations (i.e., 1988 and 1989) is included to evaluate the significance of biodegradation in controlling the distribution and concentration of STFP contaminants.

The STFP is located in the southern half of Sections 1 and 2 on the RMA (Figure 1). It is defined as the composite plume of benzene, toluene, xylene, bicycloheptadiene (BCHPD), and dicyclopentadiene (DCPD) dissolved in groundwater in the uppermost water-bearing zone (WBZ1) and migrating from a plume of light non-aqueous phase liquid (LNAPL) near Tank 464A toward Lake Ladora and Lower Derby Lake. The constituents of the STFP are those present in the LNAPL plume which is the primary source of the dissolved plume.

The specific objectives of the Spring 1990 field investigation are to determine the present position and concentration of dissolved STFP constituents, evaluate the causes of temporal and spatial variation in contaminant concentrations near the leading edge of the dissolved plume in Section 1, assess the extent to which natural biodegradation may be affecting the present concentration and distribution of contaminants, and monitor potential changes in the water table.

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South Tank Farm Study Area

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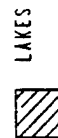
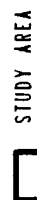
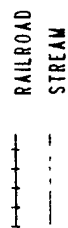
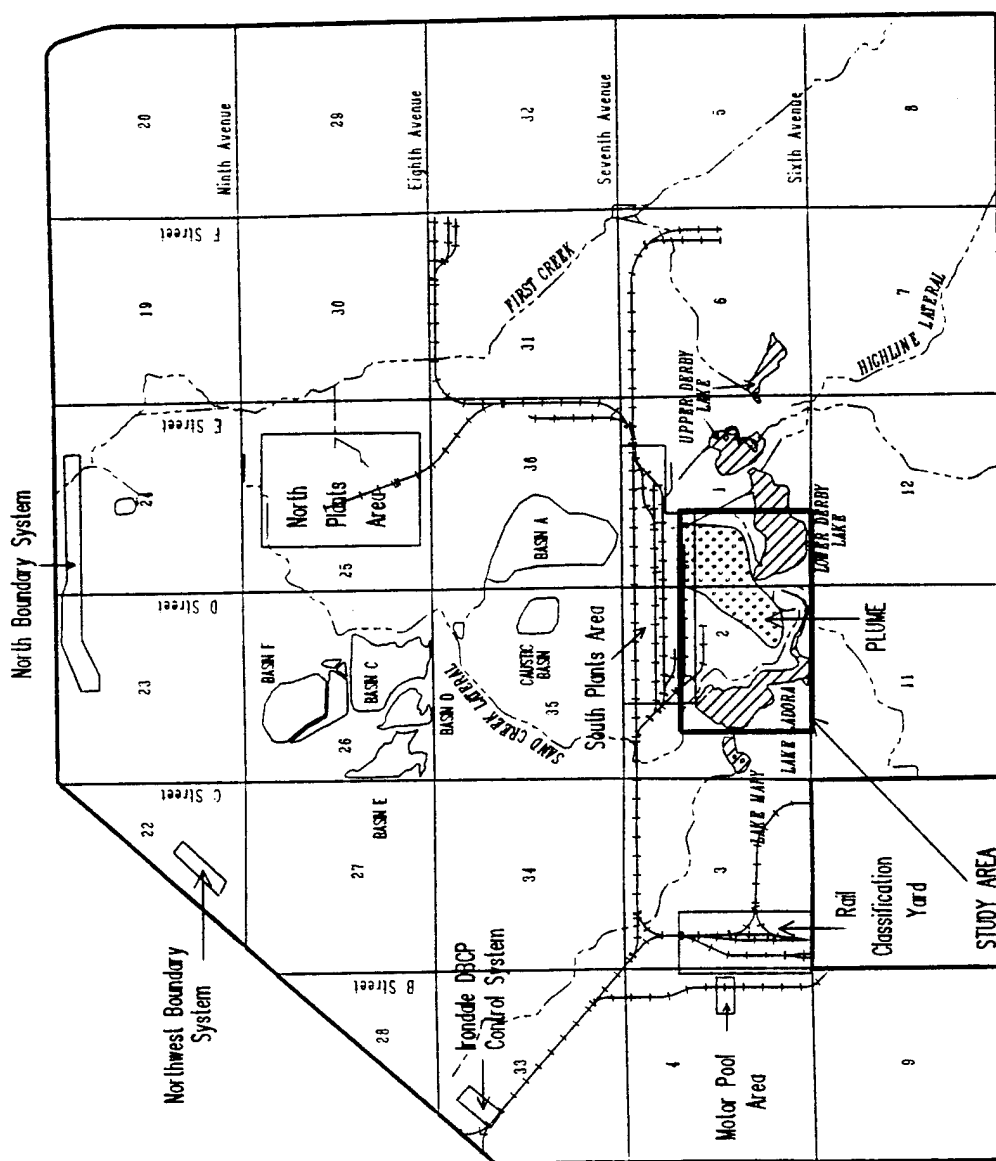


FIGURE 1



The tasks conducted to meet the specific objectives of the investigation are outlined below.

- 1) Sampling and analyses of groundwater for dissolved concentrations of benzene, toluene, xylene, BCHPD, and DCPD.

Phase 1: 45 wells located throughout the STFP area.

Phase 2: Sampling of 15 wells located adjacent to the lakes.

- 2) Measurement of dissolved oxygen (DO) in the wells sampled for groundwater quality analyses.
- 3) Sampling and analysis of groundwater from 10 wells (approximately 25% of the total) for concentrations of selected nutrients significant to the growth of bacteria capable of degrading organic contaminants (i.e., nitrogen and phosphorous). Groundwater samples from the 10 wells were also analyzed for copper and nickel (to evaluate the potential for decomposition of hydrogen peroxide typically used in bioremedial systems) and for iron (to evaluate the potential for clogging caused by precipitation of iron minerals). Samples were obtained from wells located in areas of both low and high concentrations of contaminants.
- 4) Collection of water-level elevation measurements in monitoring wells and from staff gages located on the lakes to generate an updated water table map.

1.2 SITE HISTORY

The contaminants within the STFP and LNAPL plume include compounds previously stored in the South Tank Farm and used in the manufacture of pesticides and compounds potentially associated with other production, disposal, and storage activities in the South Plants. Between 1947 and 1978, Tanks 464A, 464B (Figure 2), and other tanks were used intermittently to store DCPD and BCPD bottoms generated from pesticide manufacturing.

Tanks 464A and 464B were cleaned in 1956, 1966, and 1967. In 1956, BCPD bottoms were "pumped" onto the ground, and the affected area was later cleaned up. In 1966, residue from a mixture of fuel oil and BCPD bottoms containing DCPD was buried in the South Tank Farm area. In 1967, a mixture of DCPD bottoms and fuel oil was collected in a low spot in the South Tank Farm and later drummed and shipped offsite. From 1960-1963, leakage of BCPD/DCPD bottoms occurred from a pipe connected to Tank 464A, although the quantity spilled is unknown. Additional disposal and spill events involving BCPD and DCPD occurred at unidentified locations in the South Tank Farm in 1964 and 1978, respectively.

Although records do not show that benzene, toluene, or xylene were stored in the South Tank Farm, a large spill of benzene containing toluene and xylene impurities reportedly occurred at an unidentified location in the South Tank Farm in 1948. Toluene may also have been present in trace amounts in BCPD.

1.3 PREVIOUS REPORTS AND INVESTIGATIONS

Field investigations were conducted between 1979 and 1984 to characterize groundwater quality and the hydrogeologic setting in Sections 1 and 2. These early investigations identified a groundwater contamination plume consisting primarily of benzene, toluene, and xylene extending from the South Tank Farm area southwest toward Lake Ladora and possibly south toward Lower Derby Lake (RMA-PMO database). Monitoring wells were installed by Shell in Section 2 during 1984 to locate the leading edge of the plume. The groundwater sampling procedures utilized during that time period were not documented and may not have been standardized. Therefore, these previous data are not easily comparable to more recent groundwater data except on a qualitative basis.

A comprehensive groundwater sampling program in the South Plants area was conducted in 1988 (Ebasco 1989). Concentrations of contaminants in the STFP (most notably benzene) appeared to have increased by nearly one order of magnitude between 1983/84 (mistakenly referred to as 1982/83 in previous reports) and 1988. However, this apparent increase may actually have reflected differences in sampling procedures between 1983/84 and 1988, incomplete decontamination procedures in 1988 (several rinse blanks contained moderate concentrations of contaminants), or inadvertent entrapment of LNAPL in groundwater samples (the LNAPL plume had not yet been identified).

Shell conducted a groundwater sampling program in the spring of 1989 to better define the hydrogeologic setting and contaminant distribution in Section 2, and determine whether a new IRA should be proposed for the STFP (Shell 1989a). Based on the assumption that the groundwater quality data from 1983/84 and 1989 were

comparable, Shell concluded that the benzene plume, first identified in early eighties, was migrating toward Lake Ladora at a sufficient rate that the plume might migrate into Lake Ladora prior to the implementation of the final remedy.

An investigation was conducted by Shell during the summer of 1989 in the South Tank Farm to investigate the extent and composition of a light, non-aqueous phase liquid (LNAPL) previously detected in a well near Tank 464A. This investigation provided a preliminary characterization of the apparent thickness, composition, and lateral extent of a portion of the LNAPL plume which is believed to be a primary source of the dissolved contaminants which comprise the STFP (Shell 1989b).

Another investigation was conducted by Shell during the fall of 1989 to better define both the leading edge and hydrogeologic setting of the STFP in Sections 1 and 2 and to provide limited information on aquifer hydraulic properties for preparing the Draft Final Alternatives Assessment Document for this IRA. The results of the investigation provided additional knowledge of contaminant distribution near Lower Derby Lake and of the hydraulic setting of the STFP. Information obtained during this field investigation is discussed in this report; water quality data, well logs, and hydraulic properties test data are presented in Appendices B, C, and D, respectively.

These previous reports have indicated significant variability in concentrations of benzene particularly in wells which define the boundary of the plume. Comparisons of different sets of data have resulted in different interpretations of the migration rate and maximum extent of benzene. The March 1990 investigation was undertaken to evaluate the potential causes for this variability.

2.0 GROUNDWATER SAMPLING AND ANALYSES

During Phase 1, groundwater samples were collected from 45 monitoring wells in the STFP area (Figure 3). Target analytes included compounds associated with the STFP (benzene, toluene, xylene, BCHPD, and DCPD) and selected nutrients (nitrogen and phosphate) and metals (copper, nickel, and iron). During Phase 2, fifteen wells located adjacent to the lakes were sampled (Figure 3). Groundwater samples obtained during Phase 2 were analyzed for benzene, toluene, xylene, BCHPD, and DCPD.

Static water levels were measured and well casing volumes calculated prior to sampling. Sampling procedures followed EPA guidelines and included purging three casing volumes of water from each well using a stainless steel bladder pump. For wells yielding only a small volume of water, a bottom-filling, stainless steel or teflon bailer was used to obtain groundwater samples. During the purging of wells, pH, temperature, and electrical conductivity of the groundwater were measured. Water samples were placed in three 40-ml vials for analysis of volatile organics (USATHAMA Method UU-8), and two 500-ml plastic containers for analysis of selected nutrients (EPA Method 300.0) and metals (EPA Method 610).

Concentrations of dissolved oxygen (DO) were measured using a YSI Model 51B dissolved oxygen meter with temperature compensated electrode. Measurements of DO were taken by placing the electrode on the bottom of a half-gallon sampling bucket which was continuously filled from the bottom using the discharge hose from the bladder pump. This technique helped isolate the sample from the atmosphere until the analysis was completed.

A total of 1 duplicate, 2 rinse blank, 1 field, and 10 trip blank samples were collected during the first phase of the sampling program for field QA/QC data. During the second phase of the resampling program, a total of 1 duplicate, 2 rinse blank, 1 field, and 2 trip blank samples were collected for field QA/QC data. All laboratory QC data were reviewed by RMA-PMO, and all field QC data were reviewed by MK-Environmental Services to verify the quality of the data.

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3.0 RESULTS AND INTERPRETATION

3.1 GEOLOGY

Two geologic units occur in the STFP study area: an upper alluvial unit underlain by the Denver Formation. The alluvium consists of brown, unconsolidated, silty sand with increasing silt and clay content at depth. It ranges from approximately 5 feet thick near the South Tank Farm to 25 feet thick near Lake Ladora.

The alluvium is underlain by brown to green, weathered and unweathered claystones, mudstones, and siltstones of the Denver Formation. These strata are referred to as the VCE and VC in the South Plants Study Area Report (Ebasco 1989). The uppermost 4 to 6 feet of the Denver Formation is weathered and, in places, exhibits narrow joints and fractures. The variability of the subsurface lithology near the leading edge of the STFP near Lake Ladora is shown by the geologic cross-section in Figure 4.

3.2 HYDROLOGY

The STFP is located in the uppermost water-bearing zone (WBZ1) as defined in the South Plants Study Area Report (Ebasco 1989). WBZ1 comprises saturated sediments in both the alluvial aquifer and the uppermost Denver Formation. The top of WBZ1 is defined by the water table. The base is defined by the transition between weathered and unweathered sediments in the uppermost Denver Formation; it is identified by a green to brown claystone exhibiting a lesser degree of fracturing and weathering (Ebasco 1989, Shell 1989b). In the STFP, WBZ1 ranges in saturated thickness from 10 to 25 feet.

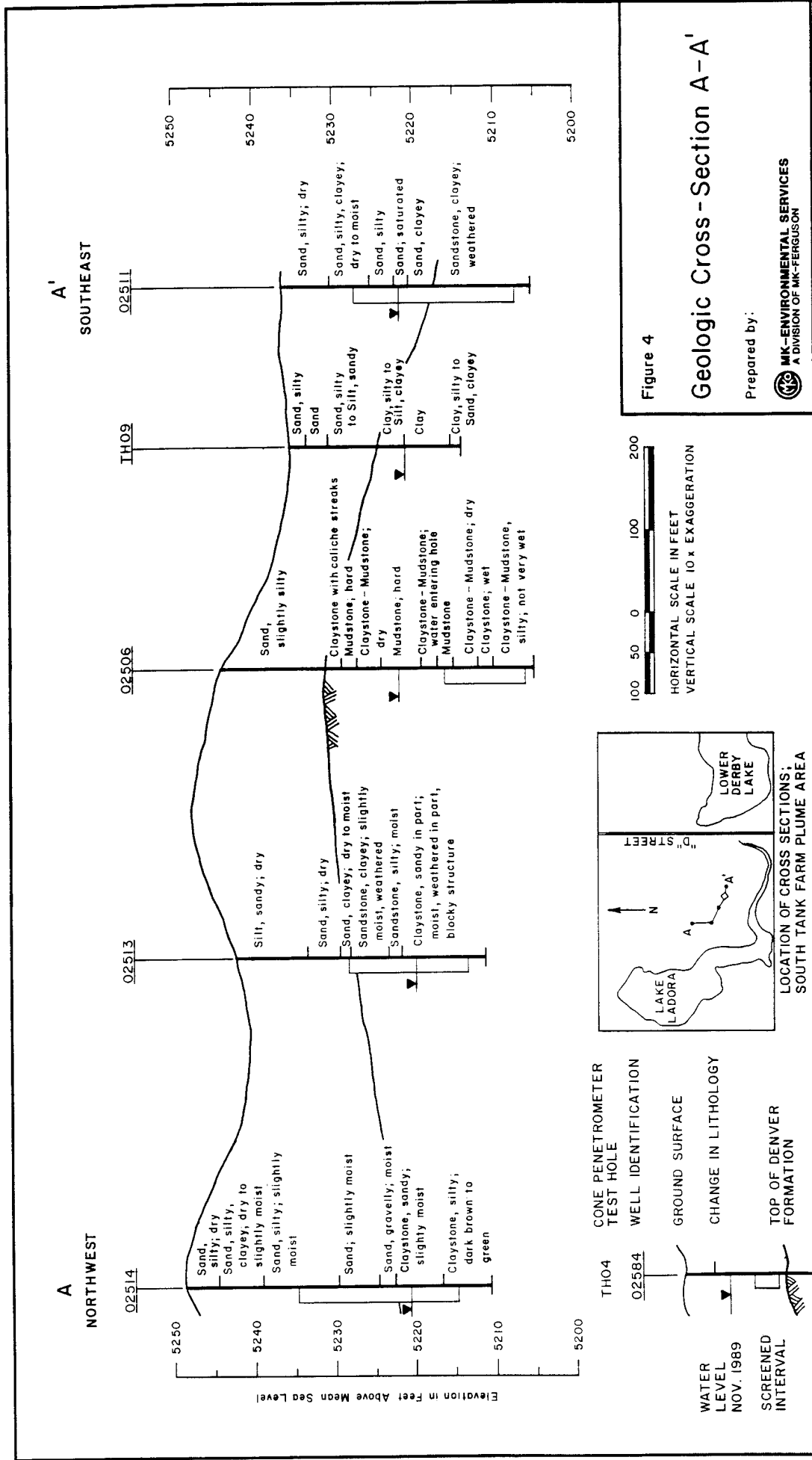


Figure 4

Geologic Cross - Section A-A'

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3.2.1 Configuration of the Water Table

The water table occurs in the alluvium in the northwestern and southeastern portions of the study area, and in the weathered Denver Formation immediately southwest of the South Tank Farm and toward Lake Ladora (Figure 5). Groundwater in WBZ1 flows away from the South Tank Farm to the southeast, south, and southwest. The water table surface flattens near the lakes except near the northwest corner of Lower Derby Lake (near Well 01586) where groundwater flowpaths are deflected sharply towards the southwest around the spillway embankment.

Water levels in the STFP area have declined historically (RMA-PMO database). Since the spring of 1988, water levels near the tank farm have declined up to 5 feet, while water levels in wells near Lake Ladora have declined approximately 1 to 2 feet (Figure 6).

3.2.2 Hydraulic Properties

The hydraulic gradient from the South Tank Farm area to Lake Ladora averages approximately 0.009 ft/ft. Hydraulic conductivity estimates for the weathered Denver Formation were calculated from single-well injection (slug) tests conducted during the fall of 1989 near Lake Ladora and Lower Derby Lake. Slug test data was analyzed using the method of Cooper et al. (1967). The results of the injection tests are summarized in Table 1. Hydraulic conductivity averaged 9.1×10^{-4} cm/sec from seven tests conducted in Wells 02505 and 02598 near Lake Ladora, and 3.7×10^{-4} cm/sec from four tests conducted in Well 01580 near Lower Derby Lake.

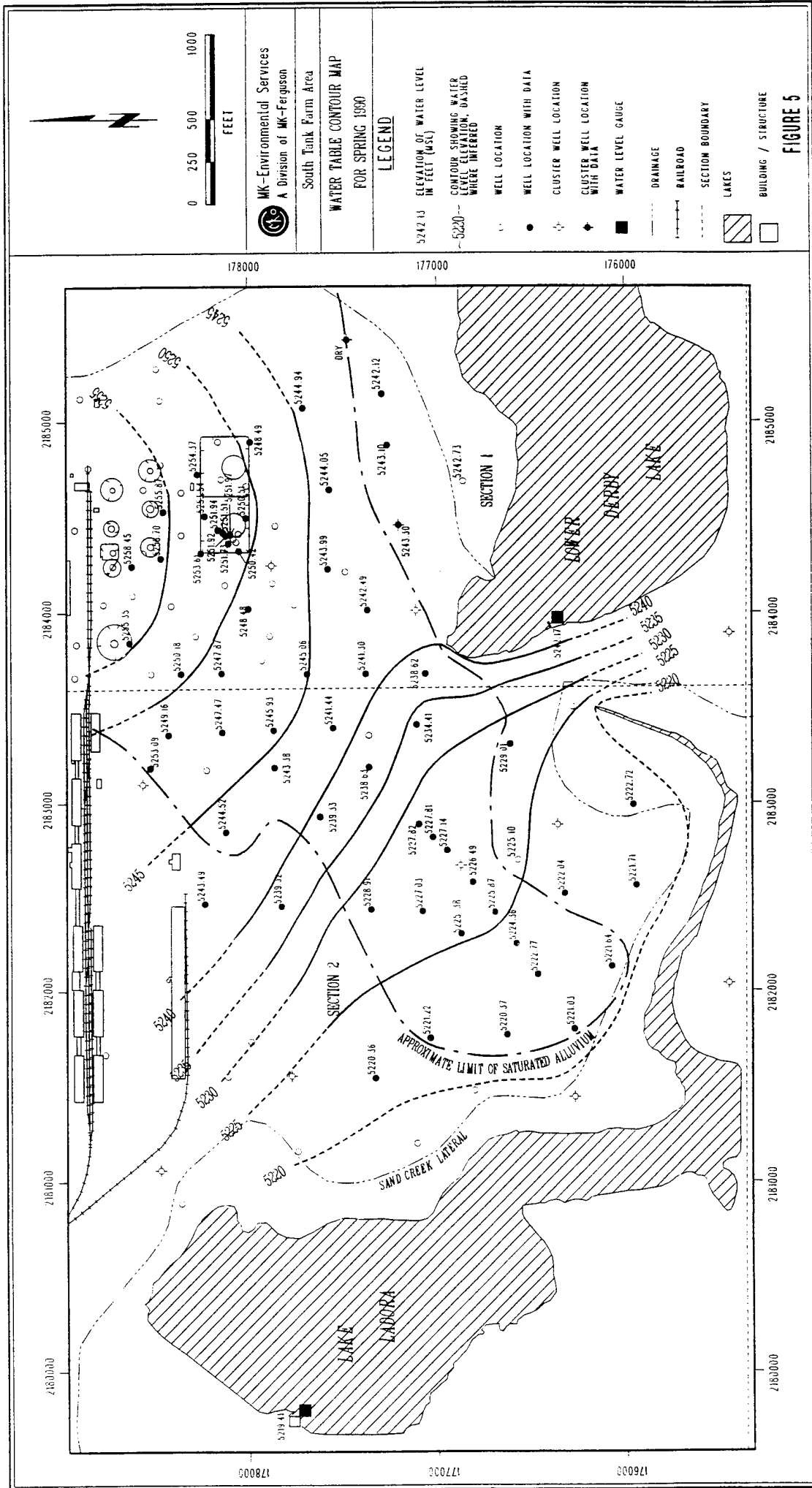


FIGURE 5

HYDROGRAPHS FOR SELECTED WELLS - STFP

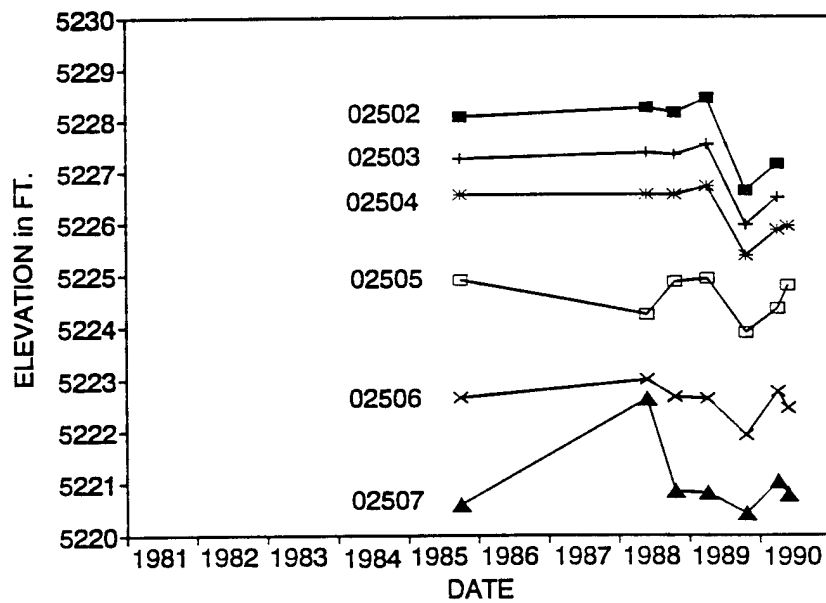
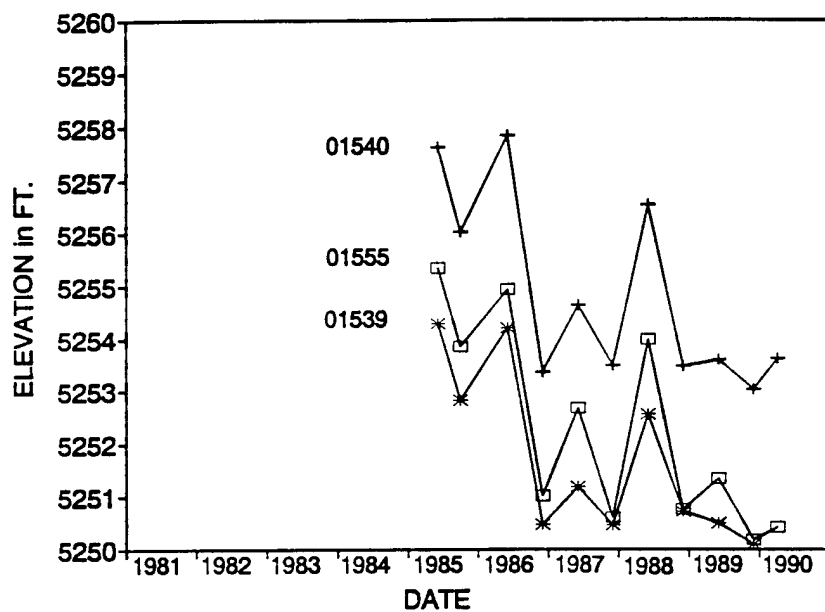


FIGURE 6

3.3 GROUNDWATER QUALITY

The results of groundwater analyses obtained during March, April, and May 1990 are presented in Appendix A. Maps showing the distribution of the target analytes through time are presented in Figures 6 through 17 and discussed in Sections 3.3.2 and 3.4.

3.3.1 Results of Lab and Field QA/QC

3.3.1.1 Phase 1

Field QC sample analyses are included in Appendix A. The field QC sample analyses indicate that the laboratory provided reproducible data, but that the sample collection procedures resulted in potential cross-contamination of some wells. Evaluation of the QC data is provided below.

Analytical results of the trip blanks indicated low concentrations of benzene (4.4 to 5.9 ug/L) associated with samples obtained near Tanks 464A and B. Since groundwater samples near the tanks generally had concentrations of benzene greater than 100,000 ug/L, this amount of contamination in the trip blanks is considered insignificant.

No contaminants were detected in the field blank.

Two rinse blanks were collected after decontaminating sampling equipment used to sample Wells 01535 and 01552. These wells are located in areas of high contamination (60,000 to 80,000 ug/L benzene and 110 to >160 ug/L DCPD). Target analytes detected in the rinse blank from Well 01535 were benzene (500 ug/L) and DCPD (4.7 ug/L). Target analytes detected in the rinse blank from Well 01552 were benzene (200 ug/L), toluene (120 ug/L), xylene

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(36 ug/L), BCPD (6.8 ug/L), and DCPD (110 ug/L). Based on the occurrence of contamination in the rinse blanks, analytical data from wells located near the fringe of the plume (where concentrations of analytes are less than the concentrations detected in the rinse blanks) are not considered valid. Phase 2 sampling was conducted to obtain accurate analyses for these wells.

Additionally, data from Wells 02585, 02509, and 02596 are not considered valid because these wells were sampled immediately following Well 02561 which contained benzene at a concentration of 300,000 ug/L. The concentrations of benzene reported in Wells 02509 and 02596 during 1990 were 400 and 600 ug/L, respectively. Historically, target analytes have never been detected in Wells 02509 and 02596. The concentration of benzene in Well 02585 during 1990 was more than one order of magnitude greater than the concentration reported during the previous sampling event. Therefore, the concentrations of benzene in Wells 02509, 02596, and 02585 probably represent cross-contamination from Well 02561. These three wells were resampled during Phase 2 and the data from Phase 2 are included on the March 1990 contaminant distribution map.

One sample duplicate was collected in Well 02501. Benzene was the only target analyte detected in either the original or duplicate samples for this well. The measured concentrations of benzene were 4000 and 4000 ug/l, respectively. These results indicate that the laboratory provided reproducible data.

3.3.1.2 Phase 2

Field QC sample analyses for Phase 2 are also included in Appendix A. The field QC sample analyses indicated that the laboratory provided reproducible data and that sampling collection procedures were adequate. Evaluation of the QC data is provided below.

One sample duplicate was collected from Well 02505. The concentrations detected in the duplicate sample indicate that the laboratory provided reproducible results.

No analytes were detected in the two trip blanks. Chlorobenzene at a concentration of 4.1 ug/L was detected in the field blank from Well 02504. The source of chlorobenzene is not known but is not considered significant to the interpretation of STFP IRA compounds.

Since wells containing very high concentrations of contaminants were sampled towards the end of Phase 1, the sampling equipment was decontaminated, plastic tubing was replaced, and a rinse blank was obtained prior to sampling any wells during Phase 2 to evaluate potential cross-contamination. Benzene and chlorobenzene were detected at concentrations of 3.6 and 3.5 ug/L, respectively in the rinse blank (02510R). This indicates that wells sampled during Phase 1, after Well 02561, were probably cross-contaminated with very low concentrations of benzene and chlorobenzene resulting in detections in wells that were previously free of these compounds. However, no contaminants were detected in the first five wells sampled during Phase 2 of the sampling program, indicating that residual contamination on the sampling equipment was removed during purging of the well and that cross-contamination was not

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significant during the second phase of sampling. These results also suggest that cross-contamination occurred during the 1988 sampling event since sampling and decontamination procedures were identical, and significant rinse blank contamination was documented. Decontamination procedures are being improved to prevent cross-contamination in future sampling programs.

A second rinse blank was collected after decontaminating sampling equipment used to sample Well 02506. Chlorobenzene was detected at a concentration equal to the CRL (2.7 ug/L). Since chlorobenzene was not detected in Well 02506 or in any of the ten previously sampled wells, the source of chlorobenzene contamination is not known and the detection is considered to be invalid.

3.3.2 Inorganic Groundwater Chemistry

Groundwater pH in the STFP area ranges from 7.0 to 8.4 and averages 7.3. Groundwater temperatures range from 48 to 60°F and average 53° F.

The analytical results for the inorganic constituents are presented in Appendix A. Concentrations of nickel and copper in groundwater samples are generally below the certified reporting limit (CRL). Total copper was detected in three of ten wells sampled at concentrations ranging from 16.0 to 25.2 ug/L. Total nickel was detected in two of the ten sampled wells at concentrations of 13.2 and 19.6 ug/L. Concentrations of total arsenic and mercury are also low, typically at or near the CRL (RMA-PMO database). Total iron was detected at concentrations up to 36 mg/L with a geometric mean of 1.25 mg/L.

Nutrient content in groundwater in the STFP area is generally low. Phosphate was not detected above the CRL of 1 mg/L in any of the wells. Nitrate ranged in concentration from 0.25 to 47.4 mg/l with an arithmetic mean of 9.3 mg/l. Concentrations of nitrite are typically below the CRL which ranged from 0.25 to 6.25 ug/L.

3.3.3 Distribution of STFP Compounds

Benzene exhibits the greatest areal distribution of all the STFP compounds, extending from the South Tank area towards Lake Ladora and Lower Derby Lake. The distribution of benzene during 1983/84, 1988, Fall 1989, and Spring 1990 is displayed on Figures 7, 8, 9, and 10. The distribution of benzene during 1990 is discussed below; comparisons between recent and historical distributions are discussed in Section 3.4.

The highest concentrations occur in wells located near or downgradient of Tanks 463F, 463G, and 464A. The concentration of 2000 mg/L reported for 1990 exceeds the solubility limit for benzene and probably indicates the entrapment of LNAPL in the groundwater samples. The maximum extent of benzene during 1990 is based on groundwater quality data obtained during the Phase 2 sampling program since the results of the field QC samples indicated that the data are valid and cross-contamination did not occur during Phase 2. The leading edge of the benzene plume toward Lake Ladora is located slightly downgradient of Well 02504 and slightly upgradient of Well 02505. Benzene has not been detected in any wells located within 500 feet of either Lake Ladora or Lower Derby Lake.

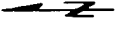
The distributions of toluene, xylene, BCHPD, and DCPD for 1988 and 1990 are shown in Figures 11 through 14, respectively.

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Legend

- Well Location
- ⊕ Cluster Well Location
- Water Level Gauge
- Drainage
- +++ Railroad
- - - Section Boundary
- ▨ Lakes
- Building / Structure
- ⊙ Berm
- 21 ● Concentration in $\mu\text{g/L}$
- - - Isocentration Contour, Dashed Where Inferred
- DL Detection Limit ($1.0 \mu\text{g/L}$)

Note: All values are from 1983 except as noted for 1984 (84)

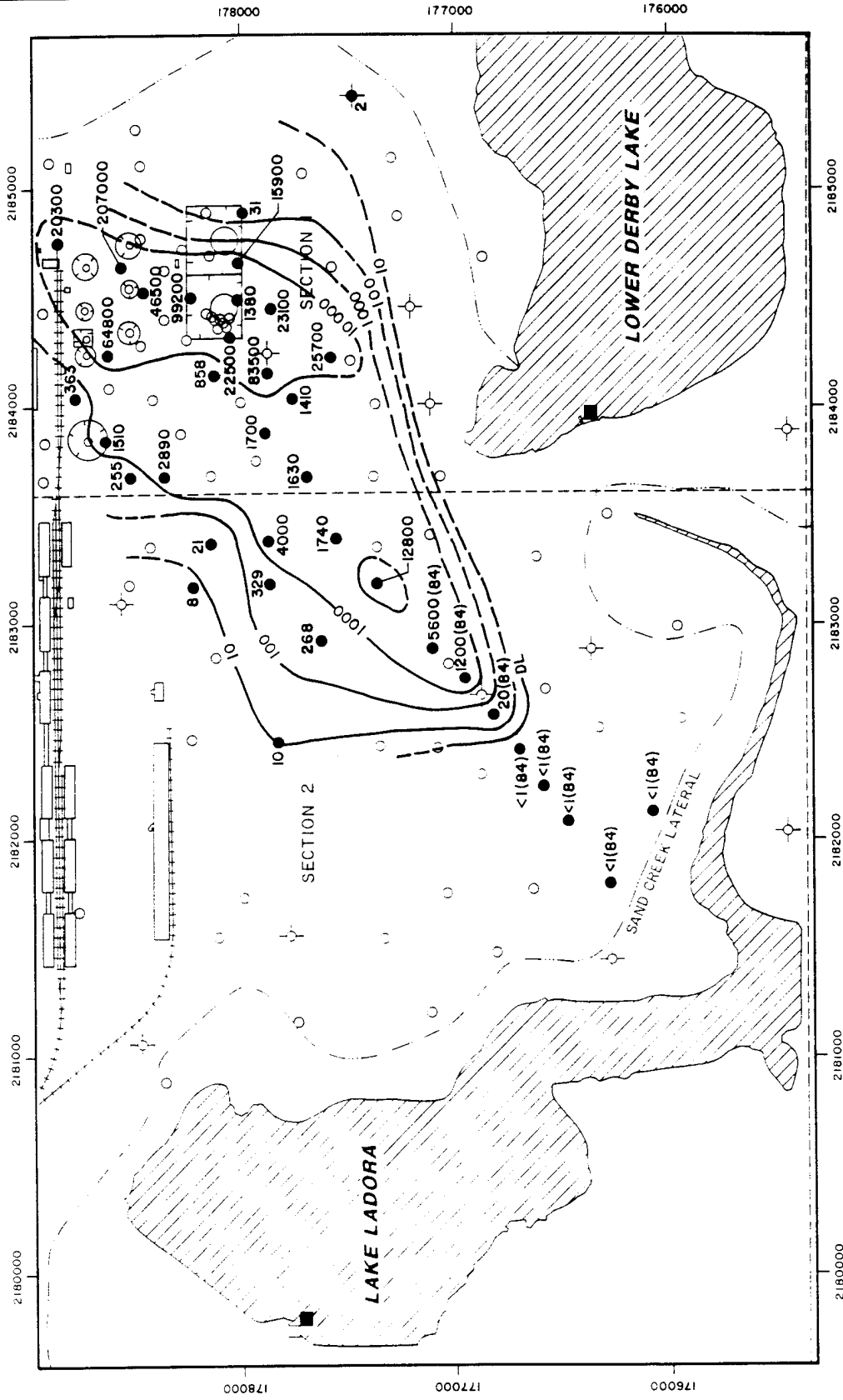


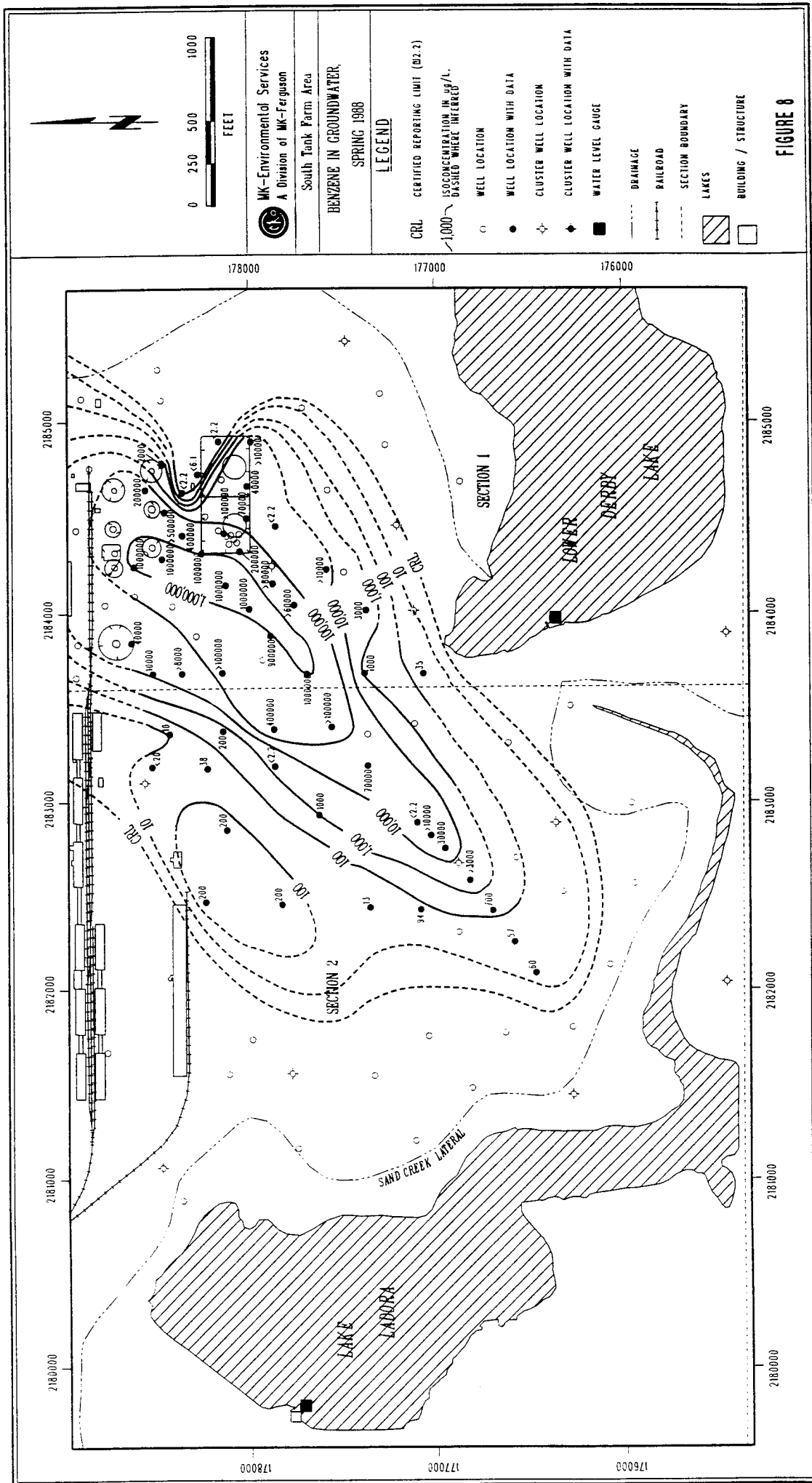
SOUTH TANK FARM AREA

Figure 7

BENZENE in Groundwater, 1983 and 1984

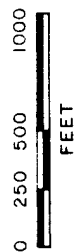
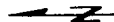
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Legend

- Well Location
- ⊕ Cluster Well Location
- Water Level Gauge
- - - Drainage
- +++ Railroad
- - - Section Boundary
- ▨ Lakes
- Building / Structure
- ⊙ Berm
- 36 Concentration in ug/L
- CRL Certified Reporting Limit (<2.7)

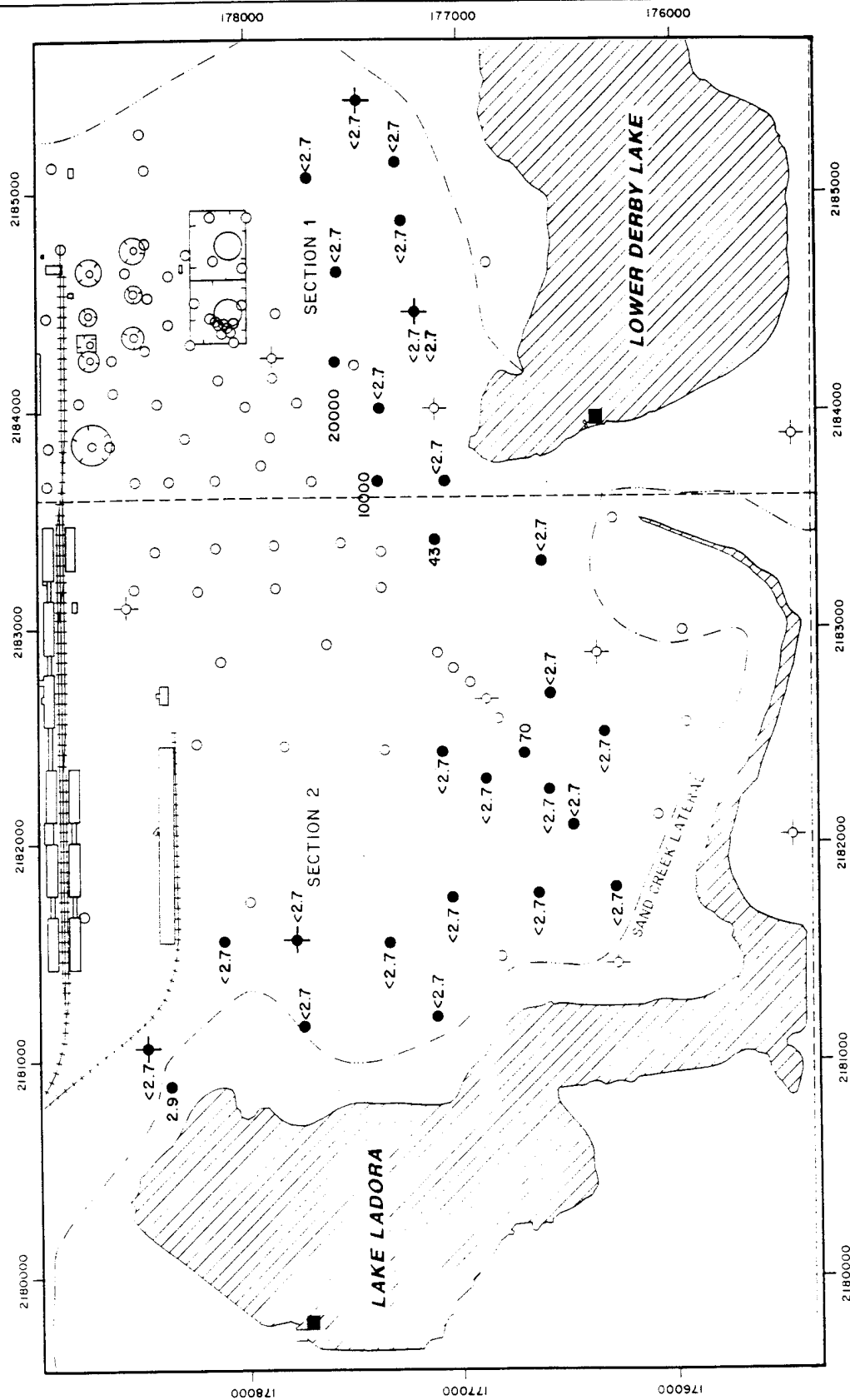


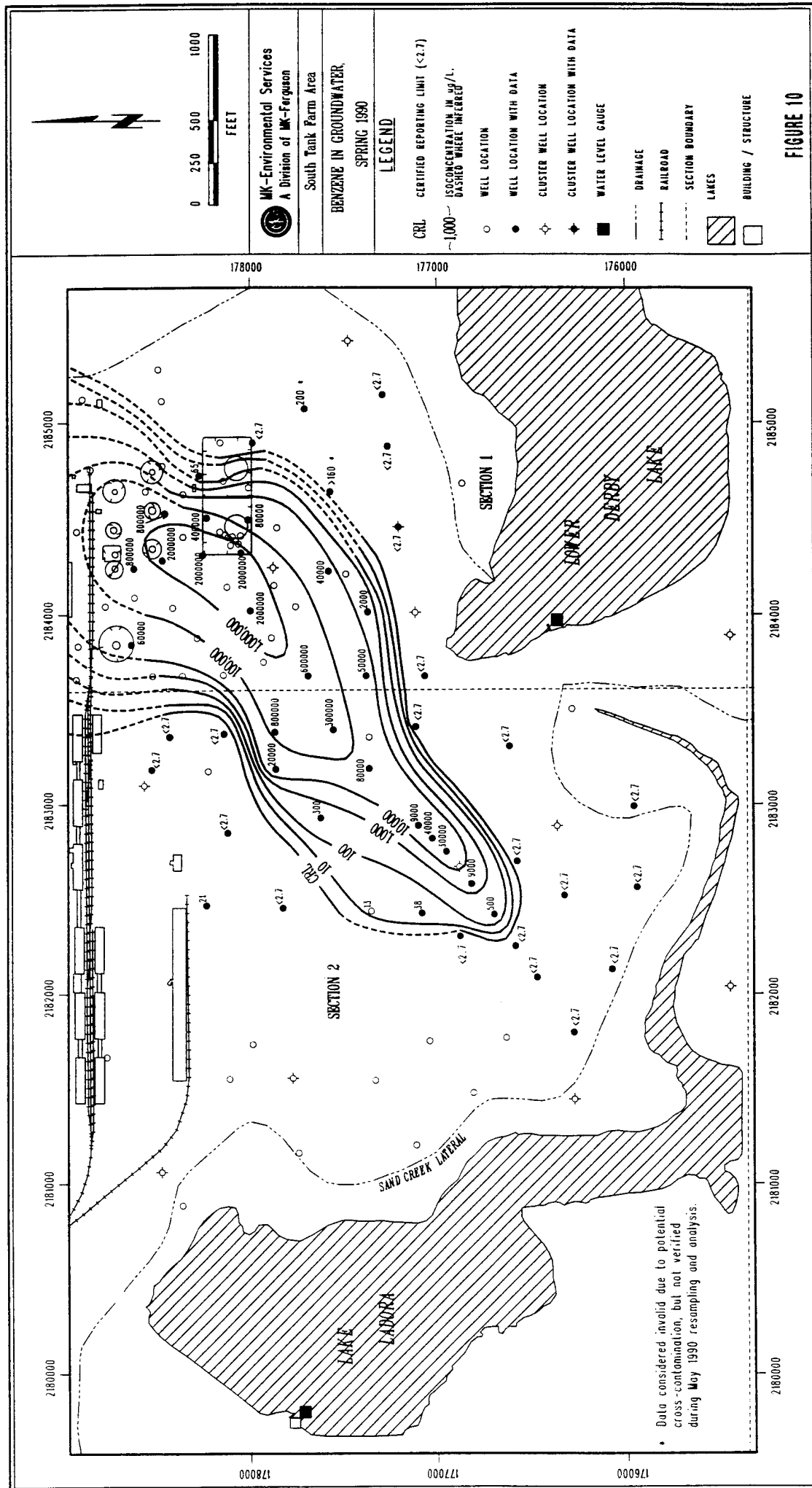
SOUTH TANK FARM AREA

Figure 9

BENZENE
in Groundwater, Fall 89

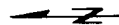
MK-ENVIRONMENTAL SERVICES
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Legend

- Well Location
- ⊕ Cluster Well Location
- Water Level Gauge
- Drainage
- Railroad
- - - Section Boundary
- ▨ Lakes
- Building / Structure
- ⊙ Berm
- Concentration in µg/L
- Isoconcentration Contour, Dashed Where Inferred
- CRL Certified Reporting Limit



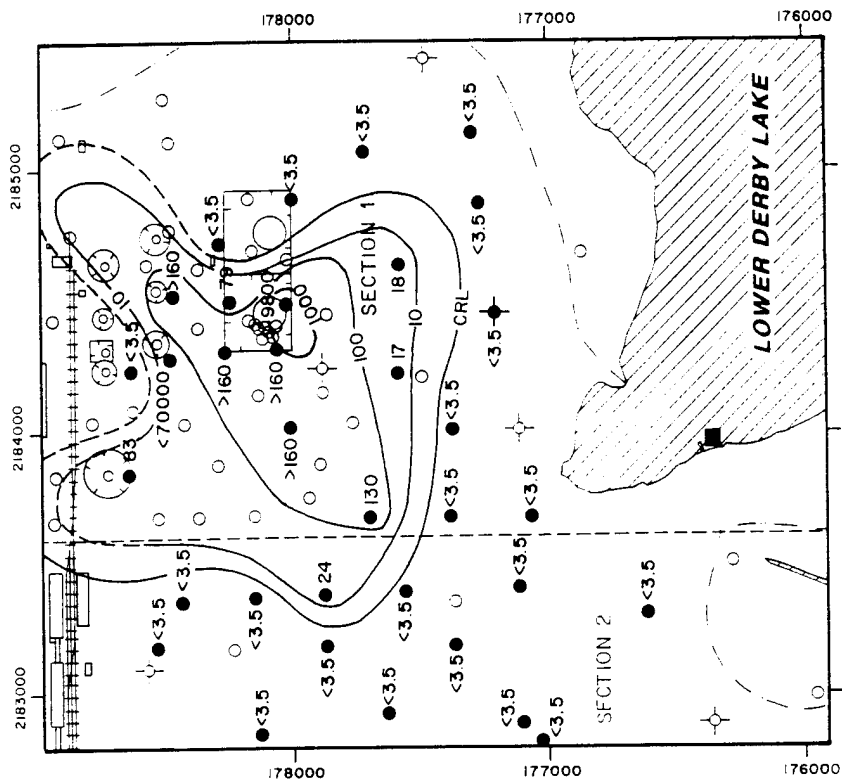
SOUTH TANK FARM AREA

Figure 11

TOLUENE
in Groundwater

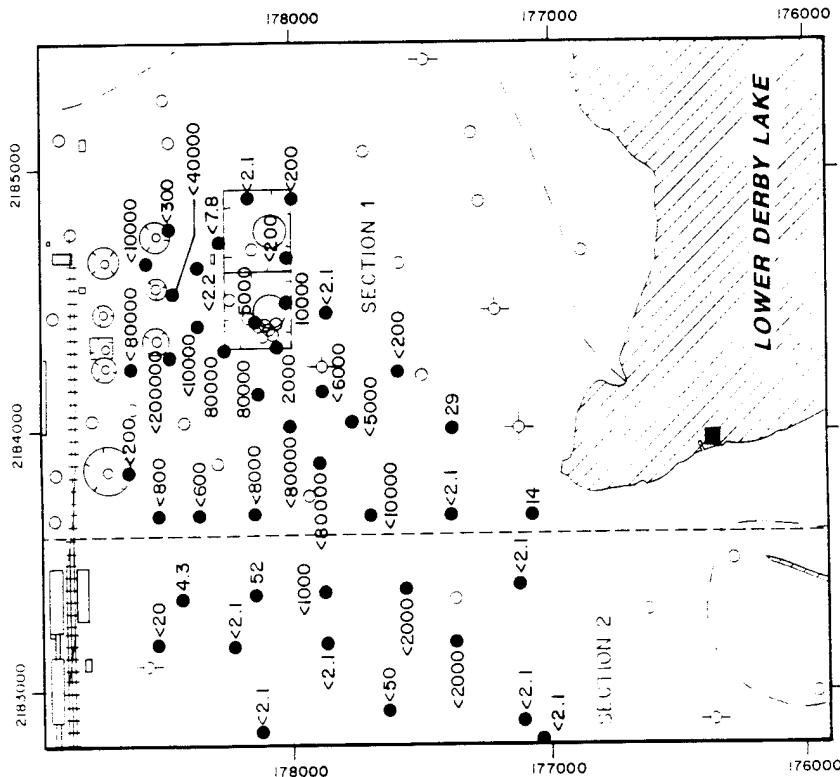


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SPRING 1990

CRL <3.5



SPRING 1988

CRL <2.1

Legend

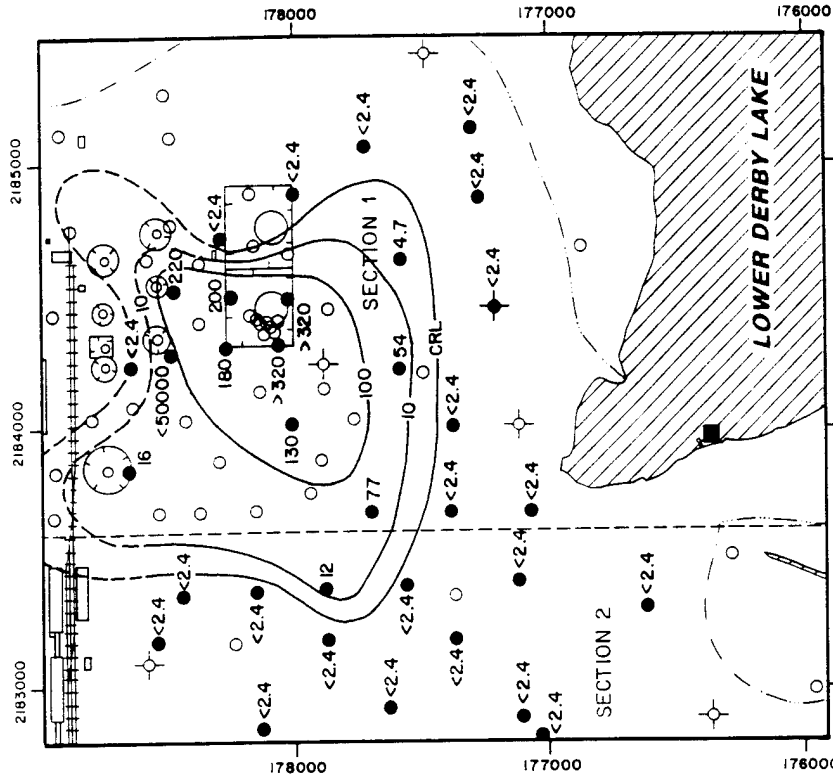
- Well Location
- ⊕ Cluster Well Location
- Water Level Gauge
- - - Drainage
- +++ Railroad
- - - Section Boundary
- ▨ Lakes
- Building/Structure
- ⊙ Berm
- 20 Concentration in µg/L
- - - 10- Isoconcentration Contour, Dashed Where Inferred
- CRL Certified Reporting Limit



SOUTH TANK FARM AREA

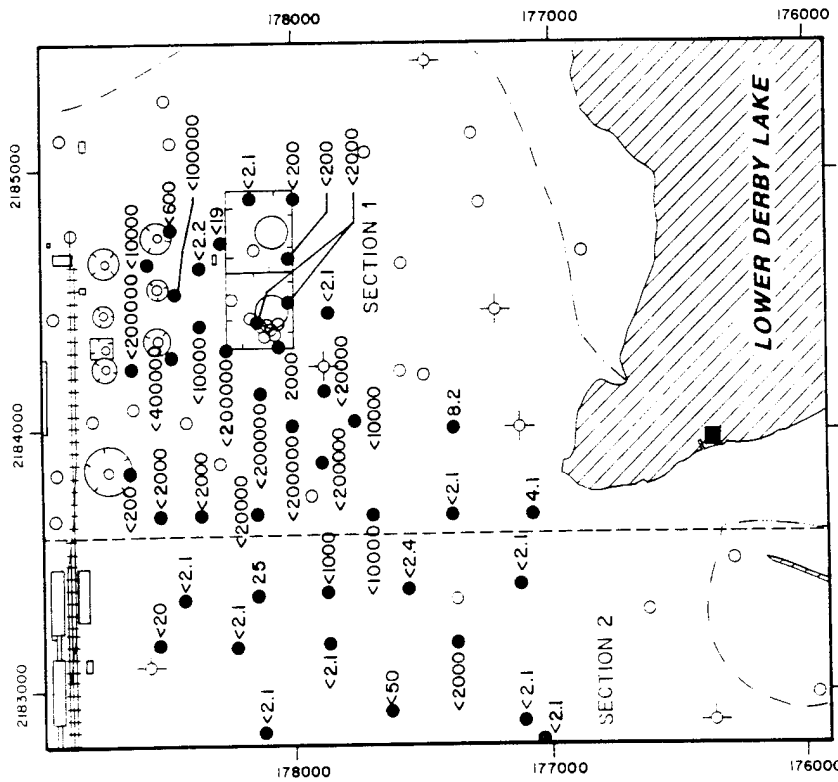
Figure 12

XYLENE in Groundwater



SPRING 1990

CRL <2.4

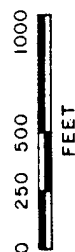
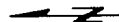


SPRING 1988

CRL <2.1

Legend

- Well Location
- ⊕ Cluster Well Location
- Water Level Gauge
- - - Drainage
- +++ Railroad
- - - Section Boundary
- ▨ Lakes
- Building / Structure
- ⊙ Berm
- 20 ● Concentration in µg/L
- - - Isoconcentration Contour, Dashed Where Inferred
- CRL Certified Reporting Limit



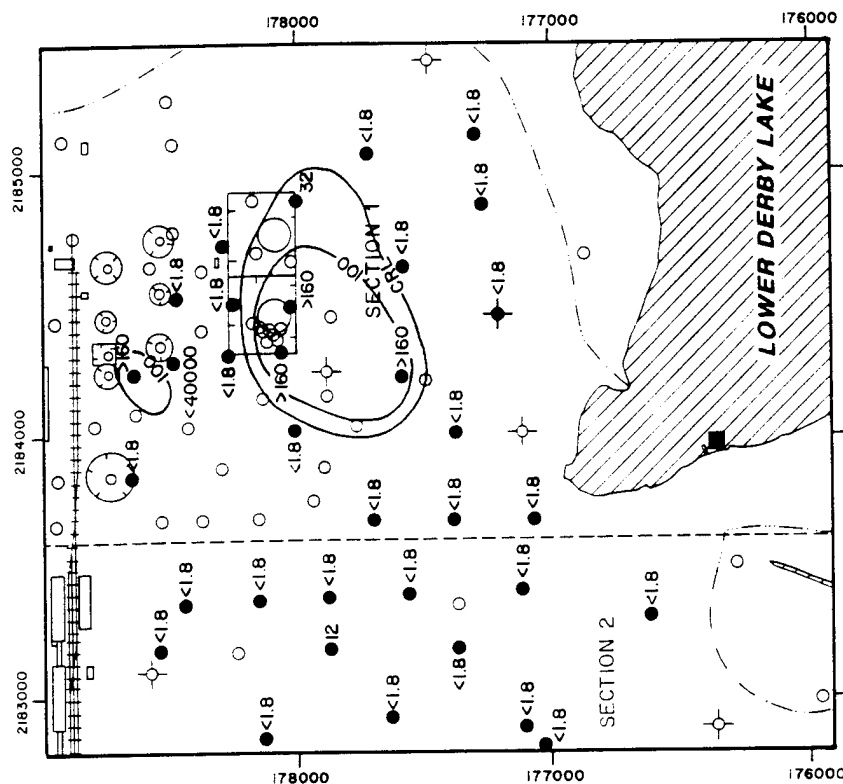
SOUTH TANK FARM AREA

Figure 13

BICYCLOHEPTADIENE in Groundwater

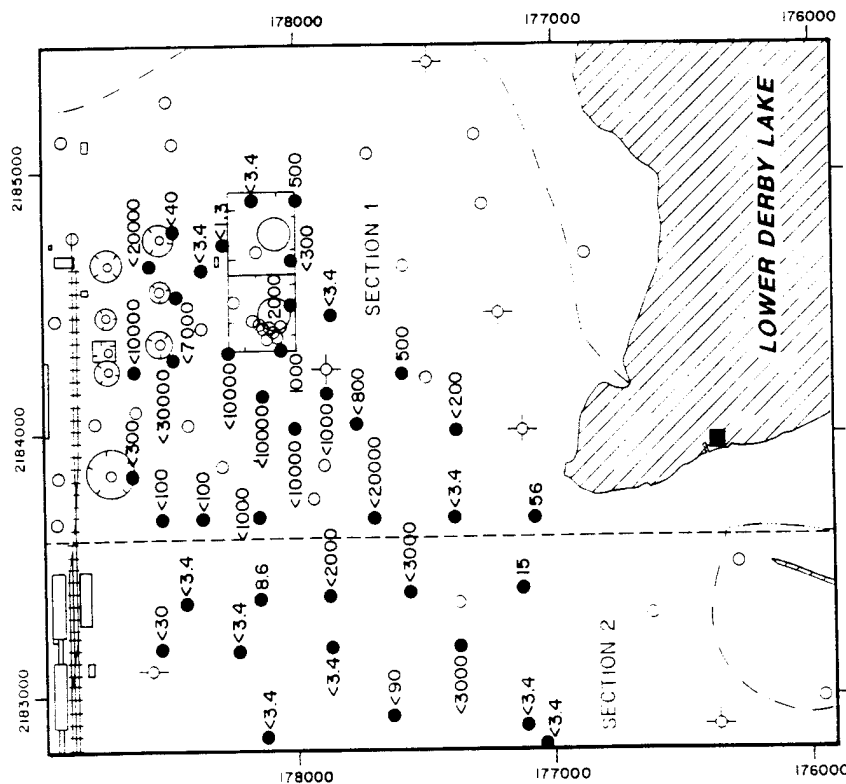


MK-ENVIRONMENTAL SERVICES
A DIVISION OF MK-FERGUSON



SPRING 1990

CRL <1.8

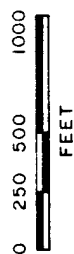
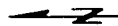


SPRING 1988

CRL (CRL'S VARIED DUE TO DIFFERENT DILUTION
FACTORS AND LABORATORIES)

Legend

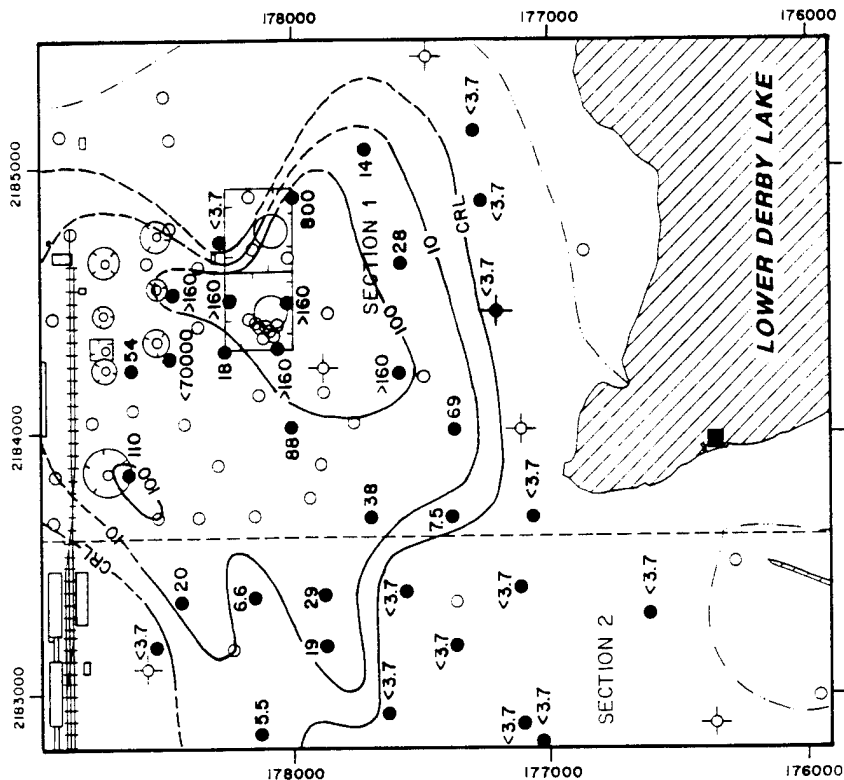
- Well Location
- ⊕ Cluster Well Location
- Water Level Gauge
- Drainage
- ⋯ Railroad
- - - Section Boundary
- ▨ Lakes
- Building/Structure
- ⊙ Berm
- 20 Concentration in µg/L
- Isoconcentration Contour, Dashed Where Inferred
- CRL Certified Reporting Limit



SOUTH TANK FARM AREA

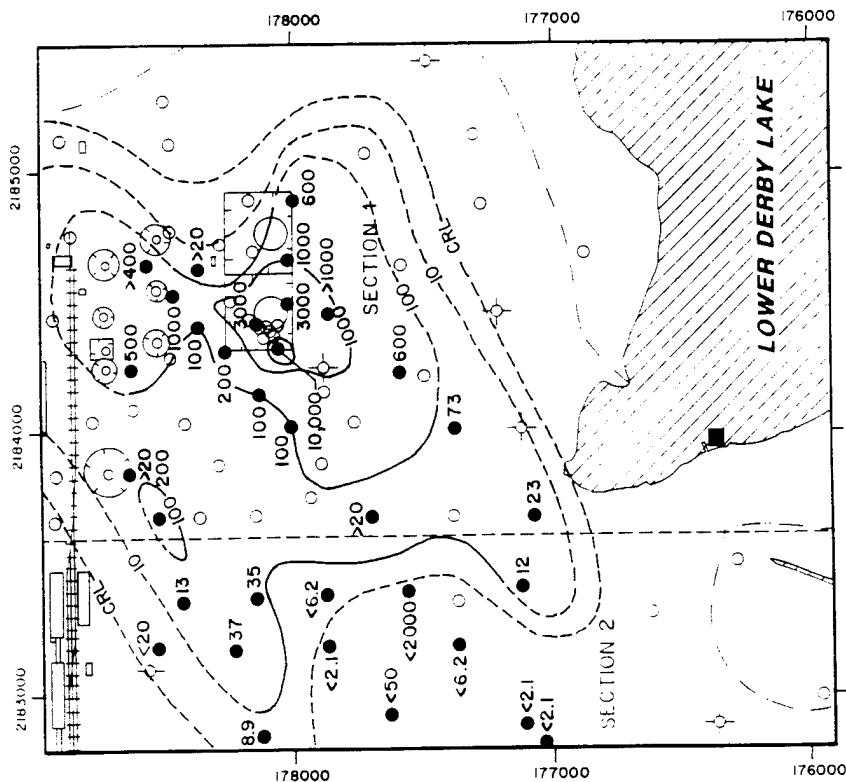
Figure 14

DICYCLOPENTADIENE in Groundwater



SPRING 1990

CRL <3.7

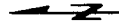


SPRING 1988

CRL <2.1

Legend

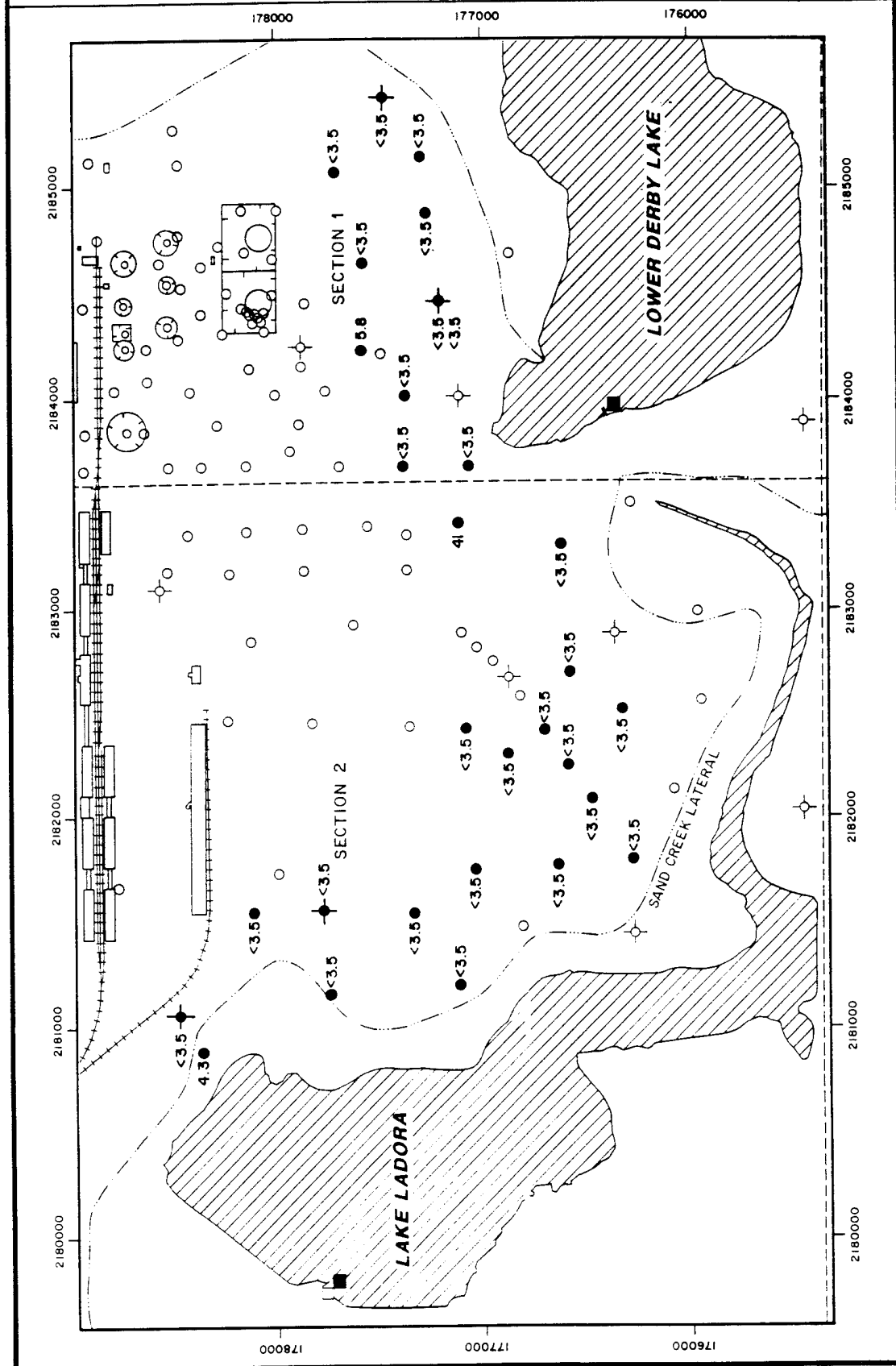
- Well Location
- ⊕ Cluster Well Location
- Water Level Gauge
- Drainage
- +++ Railroad
- Section Boundary
- ▨ Lakes
- ▭ Building / Structure
- ⊙ Berm
- 41 Concentration in ug/L
- CRL Certified Reporting Limit (<3.5)



SOUTH TANK FARM AREA

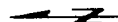
Figure 15

TOLUENE
in Groundwater, Fall 89



Legend

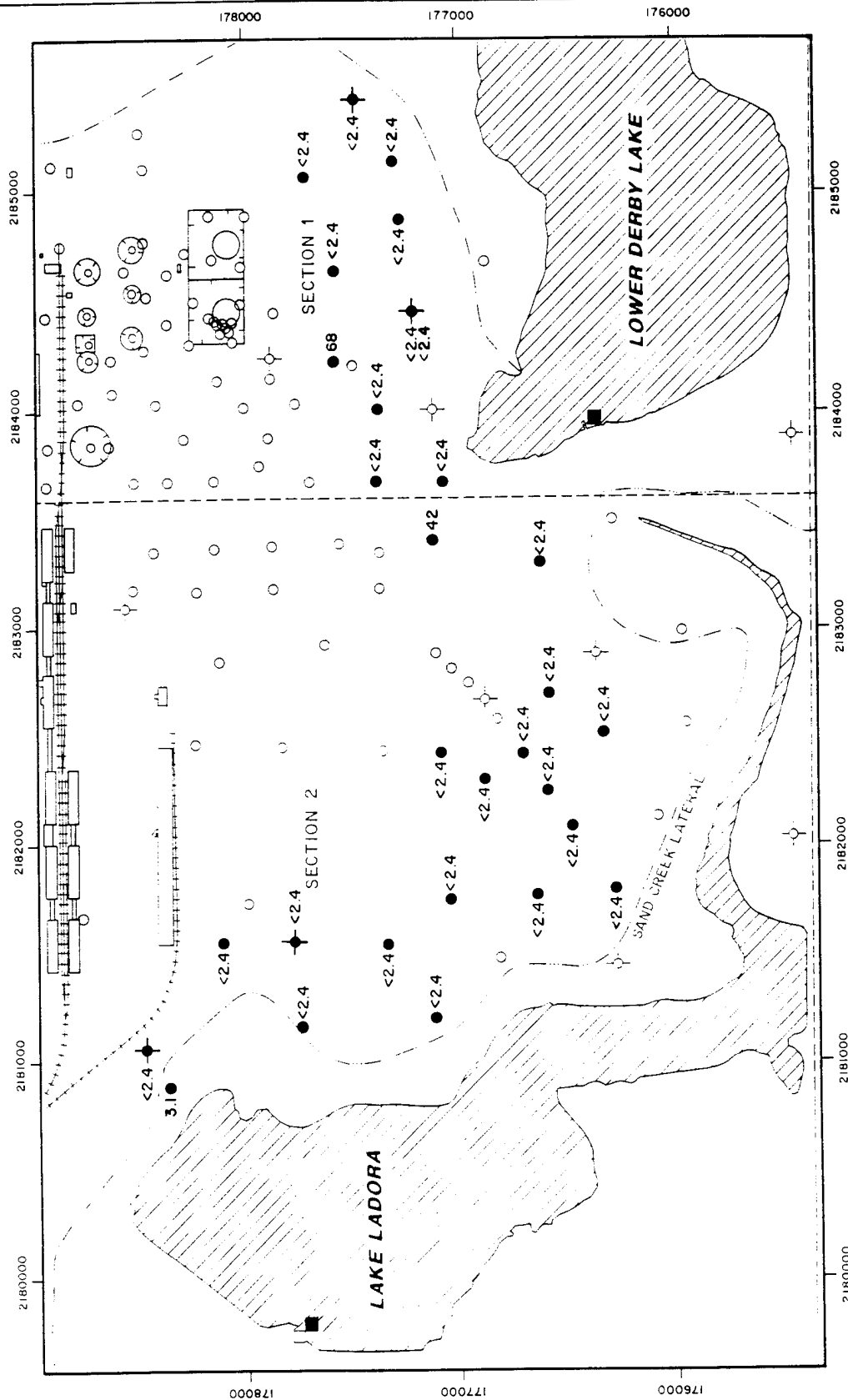
- Well Location
- ⊕ Cluster Well Location
- Water Level Gauge
- Drainage
- +++ Railroad
- - - Section Boundary
- ▨ Lakes
- Building/Structure
- ⊙ Berm
- 42 Concentration in ug/L
- CRL Certified Reporting Limit (<2.4)



SOUTH TANK FARM AREA

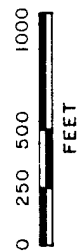
Figure 16

XYLENE
in Groundwater, Fall 89



Legend

- Well Location
- ⊕ Cluster Well Location
- Water Level Gauge
- Drainage
- +++ Railroad
- Section Boundary
- ▨ Lakes
- ▭ Building/Structure
- ⊙ Berm
- 43 Concentration in ug/L
- Certified Reporting Limit CRL (<1.8)

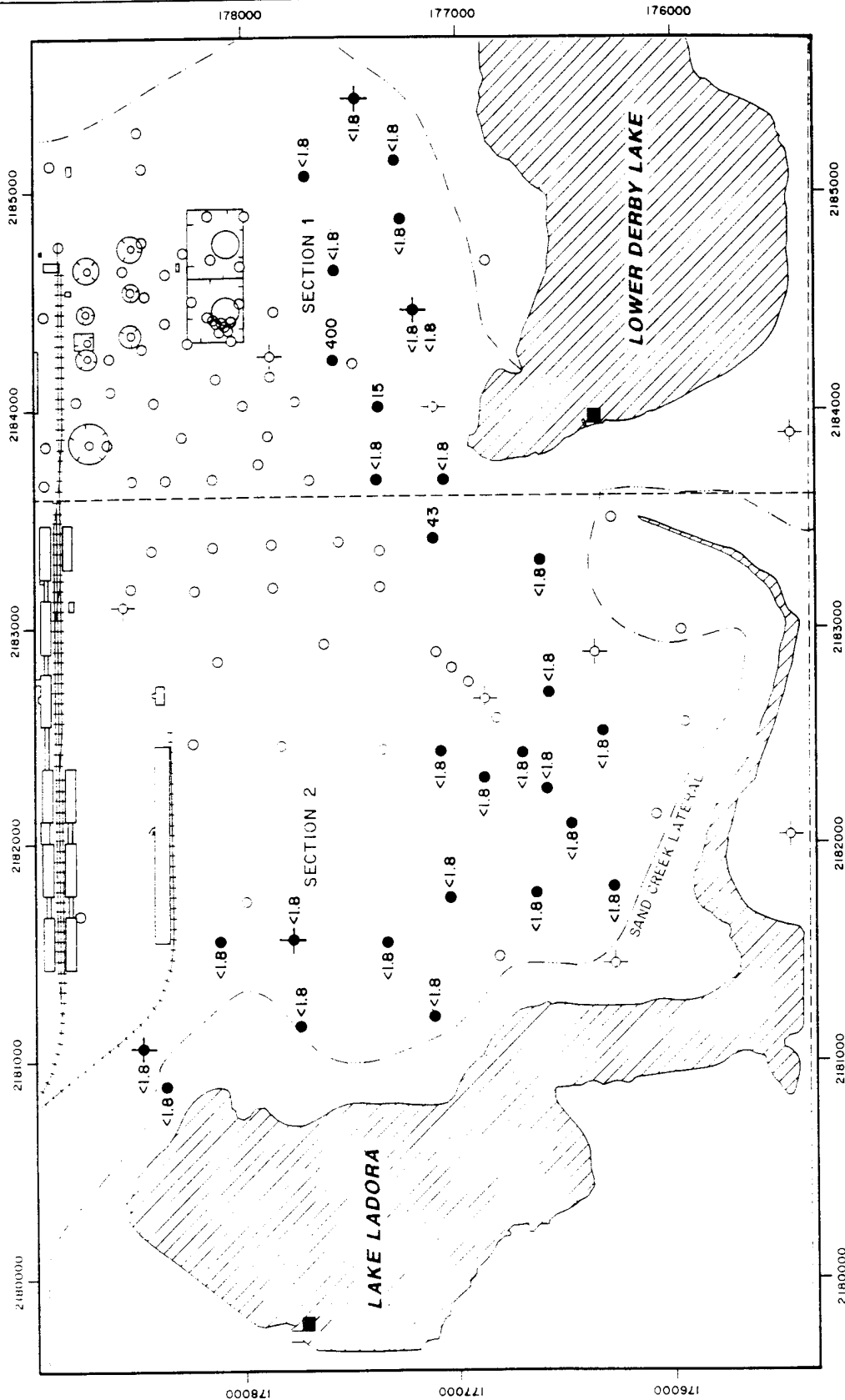


SOUTH TANK FARM AREA

Figure 17

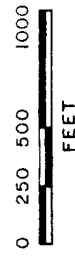
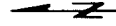
BICYCLOHEPTADIENE in Groundwater, Fall 89

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Legend

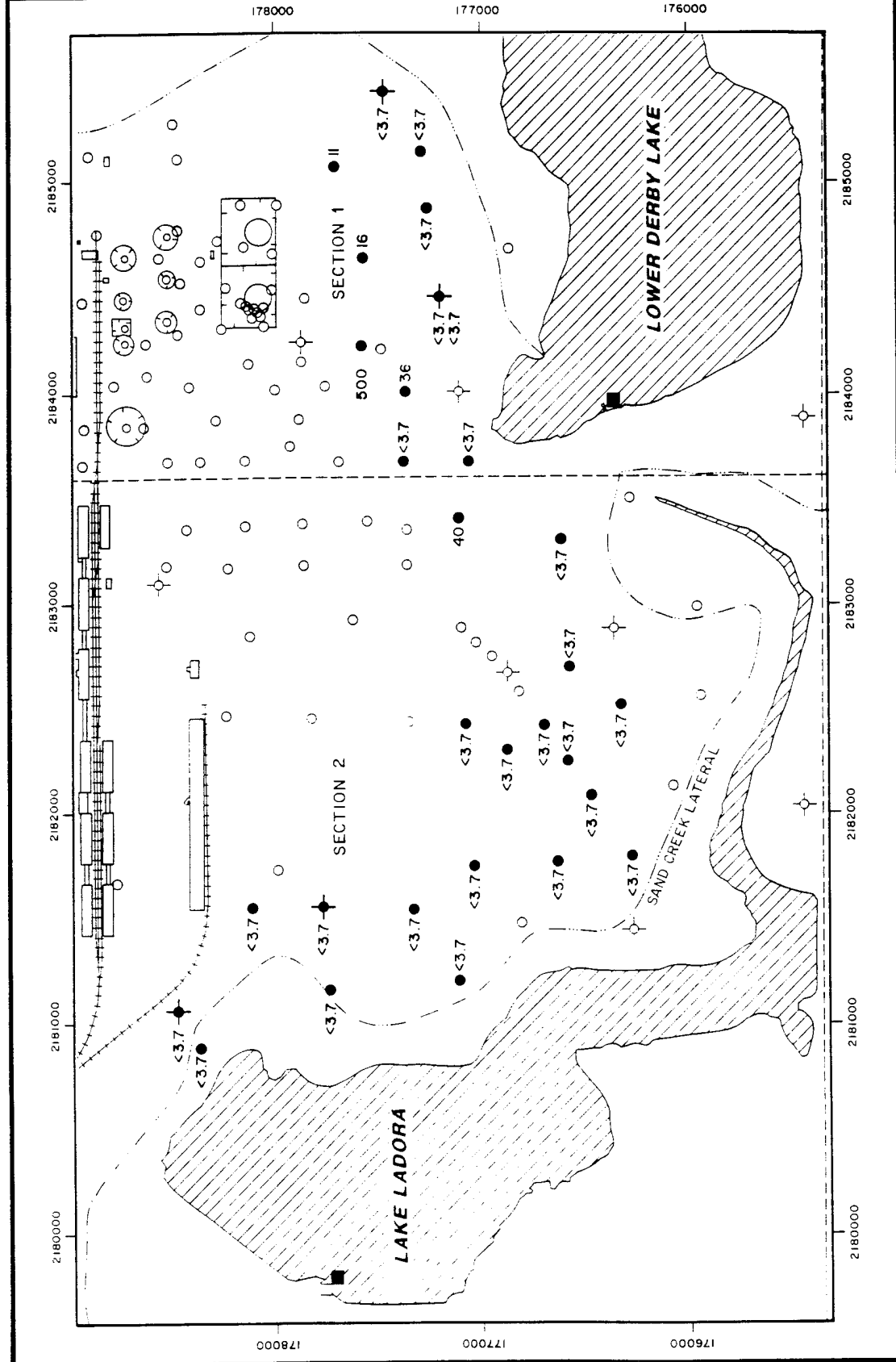
- Well Location
- ⊕ Cluster Well Location
- Water Level Gauge
- Drainage
- +++ Railroad
- - - Section Boundary
- ▨ Lakes
- ▭ Building/Structure
- ⊙ Berm
- 36 Concentration in ug/L
- CRL (<3.7)



SOUTH TANK FARM AREA

Figure 18

DICYCLOPENTADIENE
in Groundwater, Fall 89



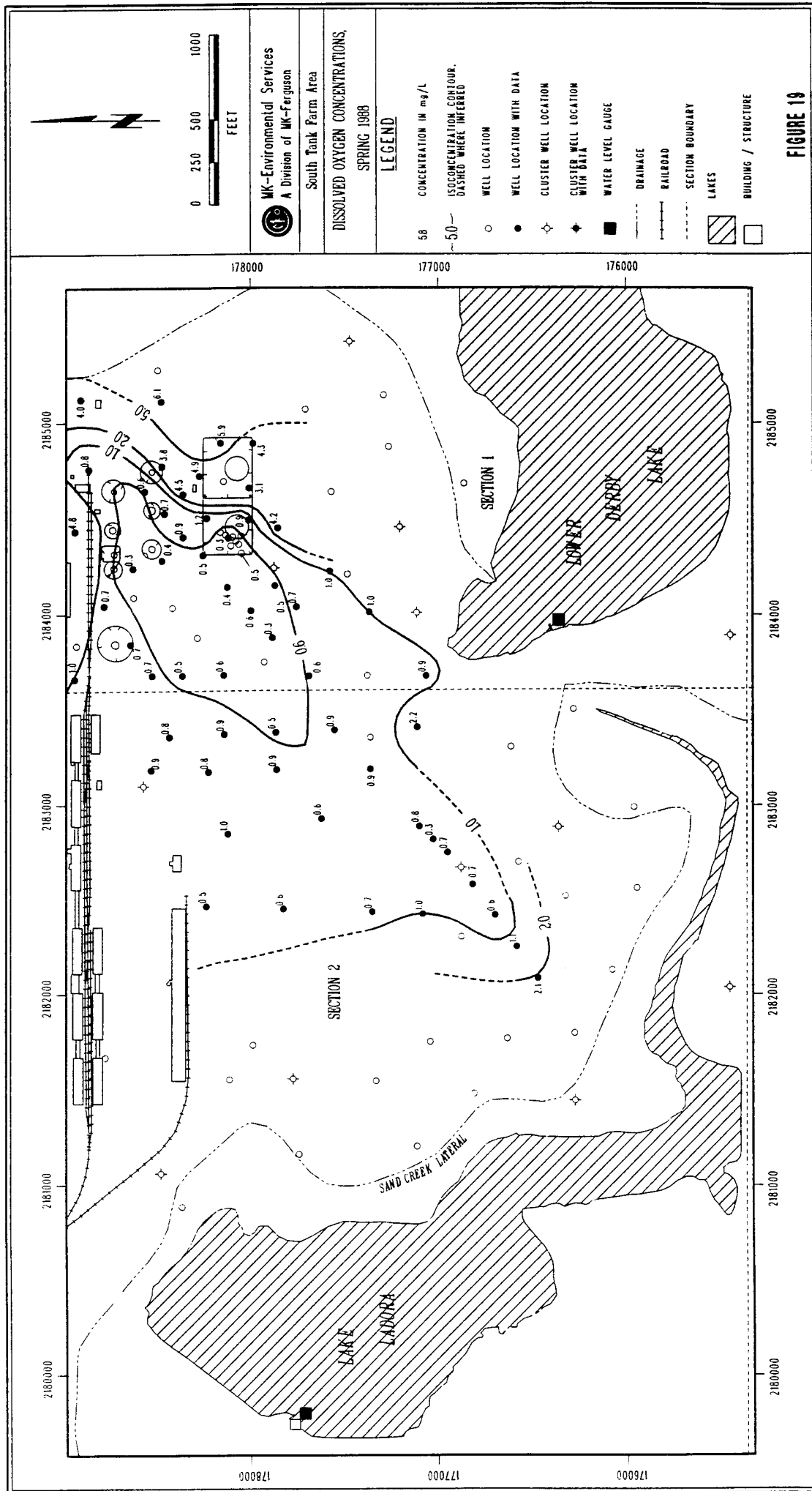
Figures 15 through 18 display the water quality data obtained during 1989 for these compounds. Historically, the highest concentrations of these compounds were detected in wells located near or downgradient of Tanks 462A, 463B, 463F, 463G, 464A and 464B. Data obtained during 1989 and 1990 indicate that none of these compounds were detected in wells located within 500 feet of either lake.

3.3.4 Evidence for Biodegradation

3.3.4.1 Field Evidence

Analytical data for concentrations of benzene, toluene, and xylene (BTX) indicate a narrow configuration of the leading edge of the STFP despite the radial groundwater flow regime and multiple sources that typically result in a wide lobe-shaped plume. Recent field investigations of other hydrocarbon contamination sites documented similar plume configurations and demonstrated that the total amount of benzene, toluene, and xylene in the groundwater was inversely related to the concentration of DO indicating biodegradation of aromatic compounds at higher dissolved oxygen concentrations (Chiang et al. 1989). Transverse mixing of oxygenated groundwater caused biodegradation of contaminants along the sides of the plume, producing a narrow plume configuration (Borden and Bedient 1986, and Twenter et al. 1985).

Concentrations of DO for Spring 1988 and 1990 are shown in Figures 19 and 20 (DO was not measured in 1989). Low values of DO occur where total BTX concentrations are high, while high values of DO occur where total BTX is low. Concentrations of DO measured during 1990 are higher than concentrations measured in 1988 probably due to the infiltration of oxygenated recharge from



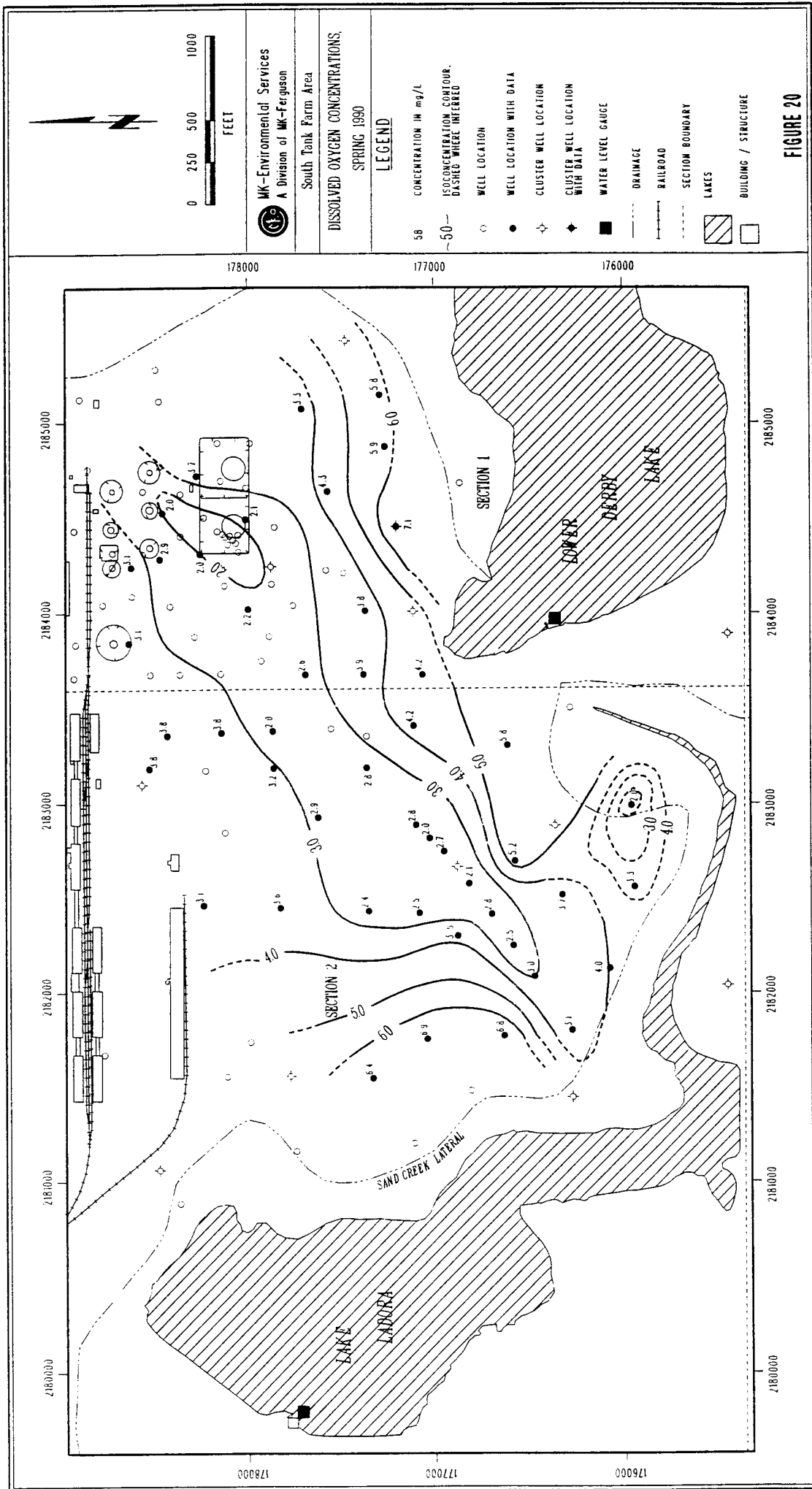


FIGURE 20

precipitation; March 1990 was reported as the second wettest March on record (National Weather Service).

The correlations between total BTX and DO data for each of the two sampling events are shown in Figure 21 and are consistent with data presented by Chiang (1989). The DO level increases significantly at low contaminant concentrations ($< 1-3$ mg/L) but decreases at high levels of contaminant concentrations ($> 1-3$ mg/L). The inverse correlation between concentrations of DO and total BTX indicate that these aromatic compounds are degraded when dissolved oxygen concentrations exceed $1-3$ mg/L. Figure 22 displays this relationship in wells located in a profile oriented parallel to the primary groundwater flow direction towards Lake Ladora.

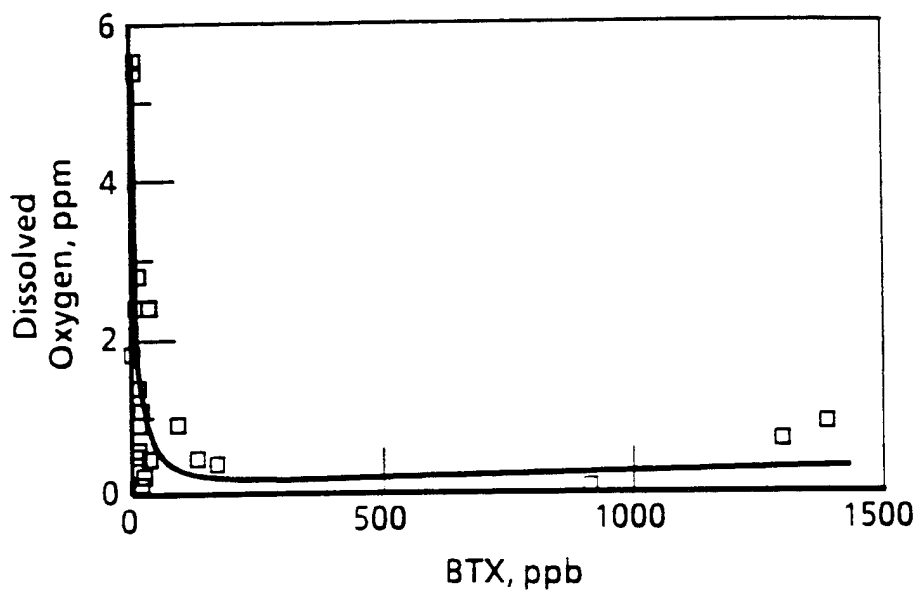
3.3.4.2 Laboratory Studies

Preliminary biodegradation microcosm studies have been conducted using highly contaminated saturated sediment samples obtained from the STFP area (Shell 1990b). The results indicate that microbial populations capable of degrading BTX and other compounds exist in STFP sediments. Figure 23 shows the effect of DO on the degradation of benzene in the groundwater/soil microcosm study. Benzene degrades in groundwater containing approximately 2 to 8 mg/L of dissolved oxygen. When nutrients are added to groundwater containing 8 mg/L of dissolved oxygen, 60 mg/L of benzene degrades completely in approximately 27 days.

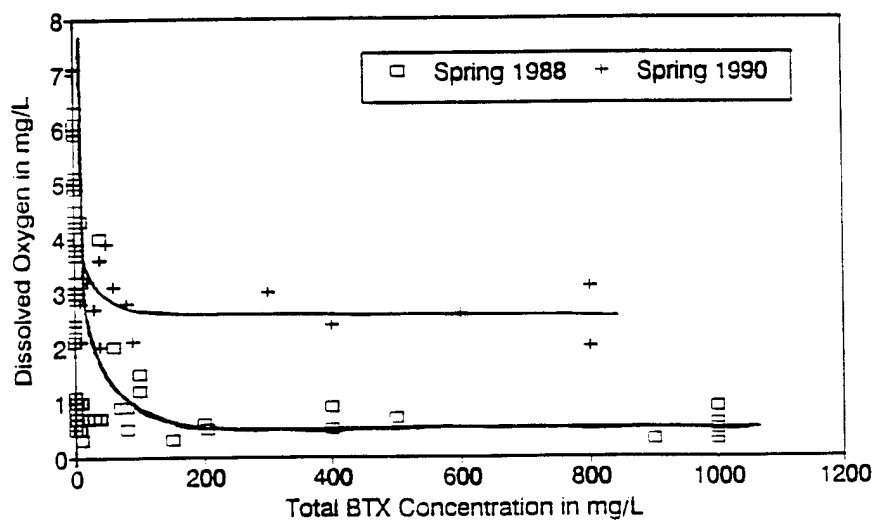
3.3.4.3 Feasibility of In Situ Bioremediation

The technical feasibility of in-situ bioremediation of hydrocarbon contamination in groundwater and soils requires

COMPARISON OF DISSOLVED OXYGEN AND BTX CONCENTRATIONS IN GROUNDWATER



Chiang et al 1989



South Tank Farm Plume

FIGURE 21

Profile of DO and Total BTX Along Groundwater Flow Direction

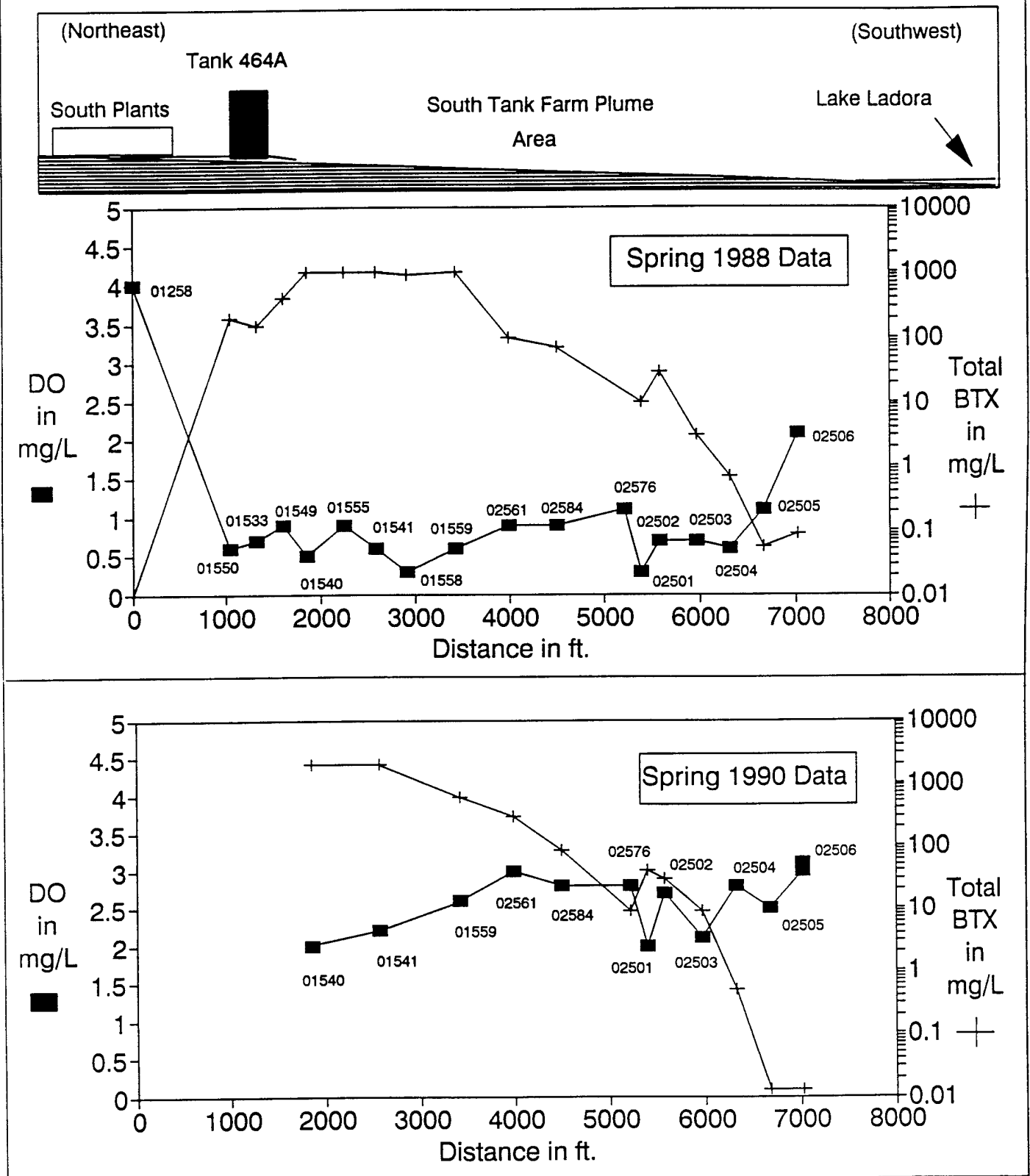
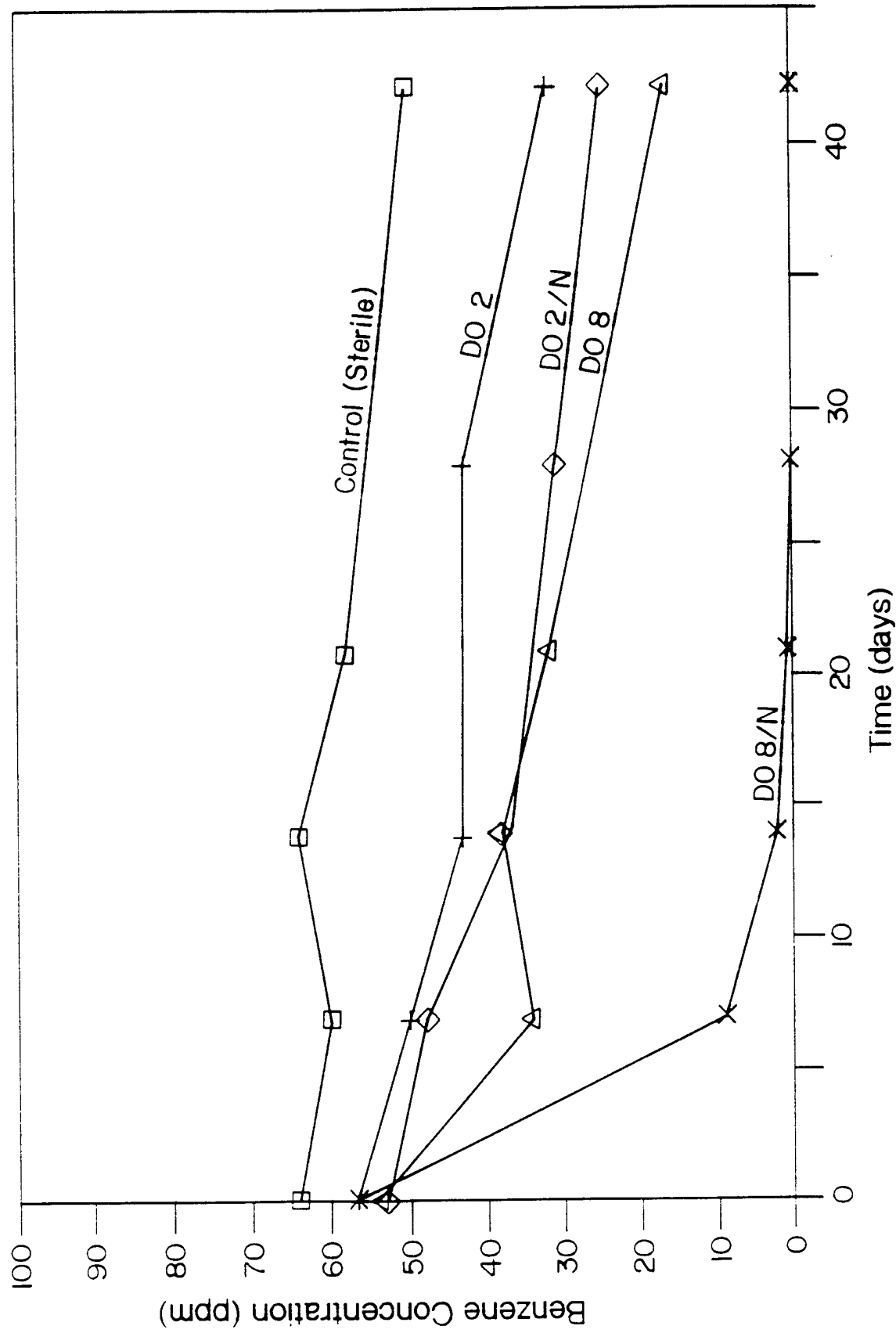


FIGURE 22

Biodegradation of Benzene in Soil South Tank Farm Area



Source: Shell 1990 b

DO 2 Dissolved Oxygen Concentration in mg/l
DO 2/N Dissolved Oxygen Concentration in mg/l with Nutrients Added

FIGURE 23

critical evaluation of the microbial degradation processes, contaminant degradability, aquifer permeability and thickness, and soil and groundwater chemistry. Microbial degradation processes are controlled by the presence of appropriate bacteria and the suitability of the environment for microbial degradation.

Based on screening criteria developed by Brubaker (1989), the pH, temperature, concentrations of heavy metals (arsenic and mercury), and nutrient levels in groundwater in the STFP are suitable for sustaining indigenous populations of bacteria capable of degrading aromatic compounds. Field evidence indicates that natural biodegradation occurs in the STFP. Laboratory studies verify the existence of benzene degrading microbes in STFP sediments and indicate that the degradation rate can be enhanced through the addition of oxygen and possibly nutrients.

Groundwater flow velocities are within acceptable limits for adequately transporting oxygen and nutrients to areas of contamination (Brubaker 1989).

Concentrations of iron, nickel, and copper are relatively low, indicating that catalytic decomposition of hydrogen peroxide may be minimal. Low concentrations of iron indicate a low potential for clogging related to precipitation of iron oxide minerals.

3.4 MIGRATION OF CONTAMINANTS

Conclusions regarding the migration of contaminants are based on comparisons between sets of groundwater quality data for the STFP. Historical groundwater quality data indicate similar plume configurations for toluene, xylene, BCPD, and DCPD during 1988 and 1990.

05/24/90

Based on the estimated aquifer hydraulic conductivity of 9.1×10^{-4} cm/sec, groundwater gradient of 0.009 ft/ft, and an assumed effective porosity of 0.3, the interstitial groundwater flow velocity in the weathered Denver Formation is estimated to be approximately 28 feet per year. Since the leading edge of these plumes are at least 500 feet from the lakes, these contaminants are not expected to reach the lakes before the final remedy can be implemented.

The distribution and concentrations of benzene for 1983/84, 1988, 1989, and 1990 are illustrated in Figures 7 , 8, 9, and 10. Because of the limited sampling conducted during 1989, a plume cannot be contoured; however, the maximum extent of benzene with respect to the lakes can be evaluated. Differences in plume geometries include: (1) greater resolution of the distribution of benzene near Lower Derby Lake in 1989 and 1990, (2) the occurrence of three elevated hits of benzene northwest of the main plume during 1988 and subsequent disappearance in 1990, and (3) variability in the location of the leading edge of the plume as defined by the CRL for benzene.

The small differences in the plume configurations southeast of the tank farm near Lower Derby Lake are an artifact of the addition of new wells (01578, 01579, 01580, and 01581) in 1989, which provided greater resolution of the distribution of contaminants in that area.

Three hits of benzene at concentrations of 200 ug/L occurred in Wells 02579, 02574, and 02581 on the northwest edge of the STFP in 1988. Prior to 1988, concentrations of benzene in these three wells were one order of magnitude lower. However, since benzene was not detected in any of these three wells during 1990, the

05/24/90

three hits of benzene may represent cross-contamination rather than actual water quality. Alternatively, they may represent an episodic pulse of benzene from a source further up in the South Plants which was later biodegraded.

Figure 24 shows the variability of concentrations over time along the leading edge of the plume (illustrated by Wells 02504, 02505, 02506). The leading edge of the benzene plume appears to have advanced from 1984 to 1988, retreated in 1989, and remained approximately stationary between 1989 and 1990. The reasons for this variability include differences in sampling procedures and variability in the rate of biodegradation as a function of dissolved oxygen. Precise determination of the relative magnitude of each of these factors is not yet possible, although continued standardization of sampling procedures over time should remove this source of variability related to sampling error.

In 1984, the leading edge of the plume was slightly downgradient of Well 02503. Currently, the leading edge of the plume is located slightly downgradient of Well 02504, indicating an advance of approximately 200 ft in 6 years. This observed migration rate of 33 ft/year correlates well with the calculated interstitial groundwater flow velocity of 28 ft/year. Based on these migration rates and the present position of the leading edge of the plume, benzene is not expected to reach the lakes before the final remedy can be implemented.

TIME TREND ANALYSIS FOR CONCENTRATIONS OF BENZENE

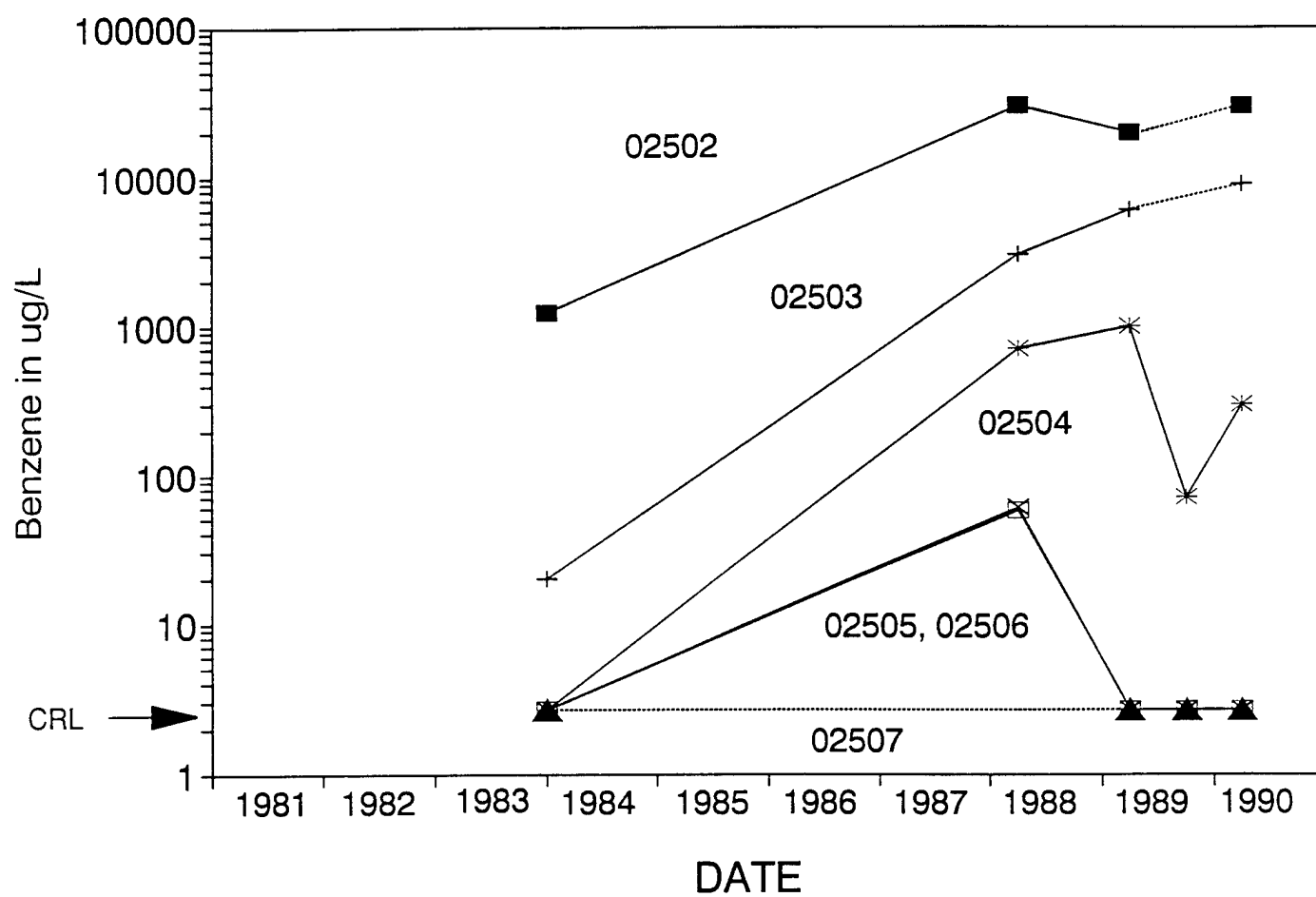


FIGURE 24

4.0 CONCLUSIONS

Except for benzene, the areal distribution of STFP constituents during 1990 is generally consistent with previous reports (Shell 1989b and Shell 1990). Concentrations of benzene exhibit significant temporal and spatial variability, particularly in wells located near the plume margin. This variability is due to sampling methodology and natural biodegradation. Based on the occurrence of rinse blank contamination during the 1988 sampling event and conclusions drawn from the QC samples collected in 1990, cross-contamination of wells probably occurred during the Spring 1988 sampling event resulting in an overestimate of the maximum extent and migration rate of benzene. Recent data indicate that the leading edge of the benzene plume towards Lake Ladora has advanced approximately 200 feet since 1984 to its present position slightly upgradient of Well 02505. Based on the present distribution of the five STFP contaminants with respect to the lakes and the interstitial groundwater flow velocity (or the observed migration rate of benzene), these compounds are not expected to migrate into either lake before the final remedy can be implemented.

Natural biodegradation is occurring in the STFP area and probably contributes to the variability and recent decrease in concentrations of benzene in wells near the margin of the plume. Results of biodegradation experiments in laboratory microcosm studies indicate that microbial populations capable of aerobically degrading aromatic hydrocarbons exist in sediments from the STFP area and that the rate of benzene degradation can be increased with the addition of supplemental oxygen and nutrients. Groundwater quality information indicates that favorable environmental conditions (temperature, pH, concentrations of trace metals and nutrient levels) for these

microbes exist throughout the STFP area and that natural biodegradation is presently occurring above a threshold value of approximately 1-3 mg/L of dissolved oxygen.

05/24/90

5.0 REFERENCES

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- Brubaker, G. R., 1989. Screening Criteria for In situ Bioremediation of Contaminated Aquifers. Proceedings of the 6th National Conference on Hazardous Wastes and Hazardous Materials, New Orleans. pp. 319-321.
- Chiang, C. Y., J. P. Salanitro, E. Y. Chai, J. D. Colthant, and C. L. Klein. 1989. Aerobic Biodegradation of Benzene, Toluene, and Xylene in a Sandy Aquifer - Data Analysis and Computer Modeling. Groundwater vol. 27, no. 6, pp. 823-834.
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- Ebasco, Services Inc. (Ebasco) 1989. Final Remedial Investigation, South Plants Study Area Report
- Shell Oil Company, 1989a. Report of Hydrogeologic and Water Quality Investigations in South Tank Farm Plume, Section 2, RMA.
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- Shell Oil Company, 1990a. Draft Final Alternatives Assessment Other Contamination Sources Interim Response Action South Tank Farm Plume.
- Shell Oil Company, 1990b. Letter transmitting preliminary SDC laboratory biodegradation data on benzene and chloroform in South Tank Farm Plume aquifer sediments.
- Twenter, F. R., T. R. Cummings and N. G. Grannemann. 1985. Groundwater contamination in East Bay Township, Michigan. U.S. Geological Survey, Water Res. Inv. Rpt. 85-4064, Lansing, MI.

TABLE 1: SUMMARY OF INJECTION TEST RESULTS

<u>Well No.</u>	<u>Hydraulic Conductivity (cm/sec)</u>	<u>Hydraulic Conductivity (m/day)</u>	<u>Saturated Thickness (m)</u>
02505	1.6×10^{-3}	1.38	4.9
	1.6×10^{-3}	1.38	
	8.8×10^{-4}	0.76	
	1.1×10^{-3}	0.95	
	9.4×10^{-4}	0.81	
02598	4.6×10^{-4}	0.40	4.9
	4.3×10^{-4}	0.37	
01580	3.7×10^{-4}	0.32	3.3
	4.0×10^{-4}	0.35	
	3.7×10^{-4}	0.32	
	3.4×10^{-4}	0.29	

APPENDIX A

Groundwater Quality Data - Spring 1990

Final Data Report for MKE Sampling Programs

The data presented herein has been forwarded to PMRMA for review, approval, and upload into the RMA Database. The concentration values presented herein are correct for moisture, dilution, accuracy, and number of significant figures. Please note, however, that this data has not been formally approved by PMRMA and is subject to change.

Flagging Code Descriptions:

FC field: (D) duplicate (C) confirmed (R) analyte not certified
(U) unconfirmed (G) quantitation questionable
QC field: (F) field blank (M) method blank (N) natural matrix spike
(R) rinse blank (S) standard spike (T) trip blank

Pertinent Installation Restoration Data Management System Information:
INSTALLATION: RK LABORATORY: ED FILE: CGW PROGRAM: LMK

16-MAY-1990

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01049Sample Date: 03/30/90Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: QGA003 Lab Number: -STFP#27

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		12.	UGL		N		10.000
CD2CL2		11.	UGL		N		10.000
ETBD10		11.	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01533Sample Date: 04/10/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGG007 Lab Number: -STFP#58

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB		110.	UGL			
BCHPD	LT	1.8	UGL			
C6H6		800000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	GT	160.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5		65.	UGL			
MEC6H5	GT	160.	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN		220.	UGL			
12DCD4	LT	2.6	UGL	N	10.000	
CD2CL2	LT	5.2	UGL	N	10.000	
ETBD10		11.	UGL	N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01534Sample Date: 04/10/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGG008 Lab Number: -STFP#59

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	GT	160.	UGL				
C6H6		800000.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	GT	160.	UGL				
CLC6H5	GT	160.	UGL				
DBCP		6.0	UGL				
DCPD		54.	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE		24.	UGL				
TRCLE	LT	2.0	UGL				
XYLEN		2.4	UGL				
12DCD4	LT	2.6	UGL	N		10.000	
CD2CL2		9.0	UGL	N		10.000	
ETBD10		8.5	UGL	N		10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01535Sample Date: 04/10/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGG006 Lab Number: -STFP#57

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		11.	UGL		N	10.000
CD2CL2		8.9	UGL		N	10.000
ETBD10		11.	UGL		N	10.000
111TCE	LT	2.4	UGL		R	
112TCE	LT	1.6	UGL		R	
11DCLE	LT	1.4	UGL		R	
12DCE	LT	3.2	UGL		R	
12DCLE	LT	0.72	UGL		R	
13DMB	LT	2.9	UGL		R	
BCHPD	LT	1.8	UGL		R	
C6H6		500.	UGL		R	
CCL4	LT	4.9	UGL		R	
CH2CL2	ND	5.0	UGL	R	R	
CHCL3	LT	1.7	UGL		R	
CLC6H5	LT	1.8	UGL		R	
DBCP	LT	5.6	UGL		R	
DCPD		4.7	UGL		R	
DMDS	LT	3.7	UGL		R	
ETC6H5	LT	2.4	UGL		R	
MEC6H5	LT	3.5	UGL		R	
MIBK	LT	1.2	UGL		R	
TCLEE	LT	2.9	UGL		R	
TRCLE	LT	2.0	UGL		R	
XYLEN	LT	2.4	UGL		R	

Method: UU8Analysis Number: QGG009 Lab Number: -STFP#60

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB		7.8	UGL			
BCHPD	LT	1.8	UGL			
C6H6		60000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01535Sample Date: 04/10/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGG009 Lab Number: -STFP#60

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CLC6H5		93.	UGL				
DBCP	LT	5.6	UGL				
DCPD		110.	UGL				
DMDS	LT	3.7	UGL				
ETC6H5		4.7	UGL				
MEC6H5		83.	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN		16.	UGL				
12DCD4	LT	2.6	UGL		N		10.000
CD2CL2	LT	5.2	UGL		N		10.000
ETBD10		4.4	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01537Sample Date: 03/30/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGA006 Lab Number: -STFP#30

Test Name		Corrected Value	Units	FC	QC	QC Spike
12DCD4		11.	UGL		N	10.000
CD2CL2		8.4	UGL		N	10.000
ETBD10		11.	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	
C6H6		5.9	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Sample Date: 04/03/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGC005 Lab Number: -STFP#42

Test Name		Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD		32.	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01537Sample Date: 04/03/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGC005 Lab Number: -STFP#42

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD		800.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL		N	10.000
CD2CL2		9.6	UGL		N	10.000
ETBD10		8.8	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01539Sample Date: 04/06/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGE007 Lab Number: -STFP#50

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL		
112TCE	LT	1.6	UGL		
11DCLE	LT	1.4	UGL		
12DCE	LT	3.2	UGL		
12DCLE	LT	0.72	UGL		
13DMB	GT	160.	UGL		
BCHPD	GT	160.	UGL		
C6H6		2000000.	UGL		
CCL4	LT	4.9	UGL		
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	GT	160.	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	GT	160.	UGL		
MEC6H5	GT	160.	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		
XYLEN	GT	320.	UGL		
12DCD4	LT	2.6	UGL	N	10.000
CD2CL2		61.	UGL	N	10.000
ETBD10		12.	UGL	N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01540Sample Date: 04/09/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGE008 Lab Number: -STFP#52

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB		89.	UGL				
BCHPD	LT	1.8	UGL				
C6H6		2000000.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5		4.5	UGL				
DBCP	LT	5.6	UGL				
DCPD		18.	UGL				
DMDS	LT	3.7	UGL				
ETC6H5		66.	UGL				
MEC6H5	GT	160.	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN		180.	UGL				
12DCD4	LT	2.6	UGL	N		10.000	
CD2CL2	LT	5.2	UGL	N		10.000	
ETBD10		10.	UGL	N		10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01541Sample Date: 04/09/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGE009 Lab Number: -STFP#53

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB		63.	UGL				
BCHPD	LT	1.8	UGL				
C6H6		2000000.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5		8.7	UGL				
DBCP	LT	5.6	UGL				
DCPD		88.	UGL				
DMDS	LT	3.7	UGL				
ETC6H5		60.	UGL				
MEC6H5	GT	160.	UGL				
MIBK	LT	1.2	UGL				
TCLLE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN		130.	UGL				
12DCD4	LT	2.6	UGL		N		10.000
CD2CL2	LT	5.2	UGL		N		10.000
ETBD10		9.9	UGL		N		10.000

Method: UU8Analysis Number: QGG003 Lab Number: -STFP#54

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
12DCD4		11.	UGL		N		10.000
CD2CL2		9.7	UGL		N		10.000
ETBD10		10.	UGL		N		10.000
111TCE	LT	2.4	UGL		T		
112TCE	LT	1.6	UGL		T		
11DCLE	LT	1.4	UGL		T		
12DCE	LT	3.2	UGL		T		
12DCLE	LT	0.72	UGL		T		
13DMB	LT	2.9	UGL		T		
BCHPD	LT	1.8	UGL		T		
C6H6		3.0	UGL		T		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01541Sample Date: 04/09/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGG003 Lab Number: -STFP#54

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01547Sample Date: 04/02/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGA007 Lab Number: -STFP#31

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6		65.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		10.	UGL		N		10.000
CD2CL2		8.9	UGL		N		10.000
ETBD10		9.8	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01552Sample Date: 04/02/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGA008 Lab Number: -STFP#32

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
12DCD4		11.	UGL		N		10.000
CD2CL2		7.9	UGL		N		10.000
ETBD10		11.	UGL		N		10.000
111TCE	LT	2.4	UGL		R		
112TCE	LT	1.6	UGL		R		
11DCLE	LT	1.4	UGL		R		
12DCE	LT	3.2	UGL		R		
12DCLE	LT	0.72	UGL		R		
13DMB		18.	UGL		R		
BCHPD		6.8	UGL		R		
C6H6		200.	UGL		R		
CCL4	LT	4.9	UGL		R		
CH2CL2	ND	5.0	UGL	R	R		
CHCL3	LT	1.7	UGL		R		
CLC6H5	LT	1.8	UGL		R		
DBCP	LT	5.6	UGL		R		
DCPD		54.	UGL		R		
DMDS	LT	3.7	UGL		R		
ETC6H5		22.	UGL		R		
MEC6H5		120.	UGL		R		
MIBK	LT	1.2	UGL		R		
TCLEE	LT	2.9	UGL		R		
TRCLE	LT	2.0	UGL		R		
XYLEN		36.	UGL		R		

Method: UU8Analysis Number: QGB003 Lab Number: -STFP#34

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	GT	160.	UGL				
BCHPD	GT	160.	UGL				
C6H6		80000.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2		82.	UGL	R			
CHCL3	LT	1.7	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01552Sample Date: 04/02/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGB003 Lab Number: -STFP#34Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	GT	160.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	GT	160.	UGL			
MEC6H5		9000.	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	GT	320.	UGL			
12DCD4	LT	2.6	UGL	N		10.000
CD2CL2		18.	UGL	N		10.000
ETBD10		13.	UGL	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01554Sample Date: 03/30/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGA004 Lab Number: -STFP#28

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB		98.	UGL			
BCHPD	LT	1.8	UGL			
C6H6		400000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	GT	160.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5		28.	UGL			
MEC6H5		79.	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN		200.	UGL			
12DCD4	LT	2.6	UGL	N		10.000
CD2CL2		73.	UGL	N		10.000
ETBD10		12.	UGL	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01559Sample Date: 04/09/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGG004 Lab Number: -STFP#55

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB		38.	UGL				
BCHPD	LT	1.8	UGL				
C6H6		600000.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5		13.	UGL				
DBCP	LT	5.6	UGL				
DCPD		38.	UGL				
DMDS	LT	3.7	UGL				
ETC6H5		50.	UGL				
MEC6H5		130.	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN		77.	UGL				
12DCD4	LT	2.6	UGL		N		10.000
CD2CL2		11.	UGL		N		10.000
ETBD10		10.	UGL		N		10.000

Final Data Report for MKE Sampling Programs

Site Identification: WELL 01560

Sample Date: 03/29/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSY008 Lab Number: -STFP#22

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6		50000.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD		7.5	UGL				
DMDS	LT	3.7	UGL				
ETC6H5		2.5	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4	LT	2.6	UGL		N	10.000	
CD2CL2		8.6	UGL		N	10.000	
ETBD10		10.	UGL		N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01565Sample Date: 04/10/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGH003 Lab Number: -STFP#61

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	50000.	UGL				
112TCE	LT	30000.	UGL				
11DCLE	LT	30000.	UGL				
12DCE	LT	60000.	UGL				
12DCLE	LT	10000.	UGL				
13DMB	LT	60000.	UGL				
BCHPD	LT	40000.	UGL				
C6H6		2000000.	UGL				
CCL4	LT	100000.	UGL				
CH2CL2	ND	100000.	UGL	R			
CHCL3	LT	30000.	UGL				
CLC6H5	LT	40000.	UGL				
DBCP	LT	100000.	UGL				
DCPD	LT	70000.	UGL				
DMDS	LT	70000.	UGL				
ETC6H5	LT	50000.	UGL				
MEC6H5	LT	70000.	UGL				
MIBK	LT	20000.	UGL				
TCLEE	LT	60000.	UGL				
TRCLE	LT	40000.	UGL				
XYLEN	LT	50000.	UGL				
12DCD4		11.	UGL		N		10.000
CD2CL2		8.4	UGL		N		10.000
ETBD10		10.	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01578Sample Date: 03/30/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGA005 Lab Number: -STFP#29

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6		200.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD		14.	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		12.	UGL		N		10.000
CD2CL2		9.8	UGL		N		10.000
ETBD10		12.	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01579Sample Date: 04/02/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGB004 Lab Number: -STFP#35

Test Name		Corrected Value	Units	FC	QC	QC Spike
12DCD4		11.	UGL		N	10.000
CD2CL2		12.	UGL		N	10.000
ETBD10		11.	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	
C6H6		4.9	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Sample Date: 04/03/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGB005 Lab Number: -STFP#36

Test Name		Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	GT	160.	UGL			
CCL4	LT	4.9	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01579Sample Date: 04/03/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGB005 Lab Number: -STFP#36

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD		28.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5		2.9	UGL			
MEC6H5		18.	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN		4.7	UGL			
12DCD4		10.	UGL	N		10.000
CD2CL2		11.	UGL	N		10.000
ETBD10		11.	UGL	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01580Sample Date: 03/29/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSY009 Lab Number: -STFP#23

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		73.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		12.	UGL	N		10.000
CD2CL2		12.	UGL	N		10.000
ETBD10		10.	UGL	N		10.000

Sample Date: 04/30/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGJ008 Lab Number: -STFP#67

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			

Final Data Report for MKE Sampling Programs

Site Identification: WELL 01580

Sample Date: 04/30/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGJ008 Lab Number: -STFP#67

Test Name	Corrected Value	Units	FC	QC	QC	Spike
CH2CL2	5.6	UGL	R			
CHCL3	1.7	UGL				
CLC6H5	1.8	UGL				
DBCP	5.6	UGL				
DCPD	3.7	UGL				
DMDS	3.7	UGL				
ETC6H5	2.4	UGL				
MEC6H5	3.5	UGL				
MIBK	1.2	UGL				
TCLEE	2.9	UGL				
TRCLE	2.0	UGL				
XYLEN	2.4	UGL				
12DCD4	13.	UGL		N		10.000
CD2CL2	13.	UGL		N		10.000
ETBD10	11.	UGL		N		10.000

Method: UU8

Analysis Number: QGJ009 Lab Number: -STFP#68

Test Name	Corrected Value	Units	FC	QC	QC	Spike
12DCD4	12.	UGL		N		10.000
CD2CL2	12.	UGL		N		10.000
ETBD10	9.4	UGL		N		10.000
111TCE	2.4	UGL		T		
112TCE	1.6	UGL		T		
11DCLE	1.4	UGL		T		
12DCE	3.2	UGL		T		
12DCLE	0.72	UGL		T		
13DMB	2.9	UGL		T		
BCHPD	1.8	UGL		T		
C6H6	2.7	UGL		T		
CCL4	4.9	UGL		T		
CH2CL2	5.0	UGL	R	T		
CHCL3	1.7	UGL		T		
CLC6H5	1.8	UGL		T		
DBCP	5.6	UGL		T		
DCPD	3.7	UGL		T		
DMDS	3.7	UGL		T		
ETC6H5	2.4	UGL		T		
MEC6H5	3.5	UGL		T		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01580Sample Date: 04/30/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGJ009 Lab Number: -STFP#68Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
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MIBK	LT	1.2	UGL	T	
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TCLEE	LT	2.9	UGL	T	
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TRCLE	LT	2.0	UGL	T	
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XYLEN	LT	2.4	UGL	T	
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Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01581Sample Date: 03/29/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSY010 Lab Number: -STFP#24

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		56.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL	N		10.000
CD2CL2		11.	UGL	N		10.000
ETBD10		9.3	UGL	N		10.000

Sample Date: 04/30/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGJ010 Lab Number: -STFP#69

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01581Sample Date: 04/30/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGJ010 Lab Number: -STFP#69

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		13.	UGL	N		10.000
CD2CL2		12.	UGL	N		10.000
ETBD10		9.8	UGL	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01586Sample Date: 03/29/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSY011 Lab Number: -STFP#25

Test Name	Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL		
112TCE	LT	1.6	UGL		
11DCLE	LT	1.4	UGL		
12DCE	LT	3.2	UGL		
12DCLE	LT	0.72	UGL		
13DMB	LT	2.9	UGL		
BCHPD	LT	1.8	UGL		
C6H6		15.	UGL		
CCL4	LT	4.9	UGL		
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		10.	UGL	N	10.000
CD2CL2		9.1	UGL	N	10.000
ETBD10		8.6	UGL	N	10.000

Sample Date: 05/01/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGI004 Lab Number: -STFP#73

Test Name	Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL		
112TCE	LT	1.6	UGL		
11DCLE	LT	1.4	UGL		
12DCE	LT	3.2	UGL		
12DCLE	LT	0.72	UGL		
13DMB	LT	2.9	UGL		
BCHPD	LT	1.8	UGL		
C6H6	LT	2.7	UGL		
CCL4	LT	4.9	UGL		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01586Sample Date: 05/01/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGI004 Lab Number: -STFP#73

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		12.	UGL	N		10.000
CD2CL2		9.9	UGL	N		10.000
ETBD10		9.5	UGL	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01587Sample Date: 03/29/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSV012 Lab Number: -STFP#26

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6		2000.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD		69.	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		6.4	UGL		N		10.000
CD2CL2		8.3	UGL		N		10.000
ETBD10		9.6	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01588Sample Date: 04/02/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGA009 Lab Number: -STFP#33

Test Name		Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB		26.	UGL			
BCHPD	GT	160.	UGL			
C6H6		40000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	GT	160.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5		3.0	UGL			
MEC6H5		17.	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN		54.	UGL			
12DCD4	LT	2.6	UGL	N		10.000
CD2CL2	LT	5.2	UGL	N		10.000
ETBD10		11.	UGL	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02501Sample Date: 04/04/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGD003 Lab Number: -STFP#44

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		3.2	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6		40000.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3		7.4	UGL				
CLC6H5		19.	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4	LT	2.6	UGL		N	10.000	
CD2CL2		9.4	UGL		N	10.000	
ETBD10		12.	UGL		N	10.000	

Method: UU8Analysis Number: QGD004 Lab Number: -STFP#45

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL	D			
112TCE	LT	1.6	UGL	D			
11DCLE		2.9	UGL	D			
12DCE	LT	3.2	UGL	D			
12DCLE	LT	0.72	UGL	D			
13DMB	LT	2.9	UGL	D			
BCHPD	LT	1.8	UGL	D			
C6H6		40000.	UGL	D			
CCL4	LT	4.9	UGL	D			
CH2CL2	ND	5.0	UGL	R			
CHCL3		7.3	UGL	D			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02501Sample Date: 04/04/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGD004 Lab Number: -STFP#45

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CLC6H5	17.	UGL	D		
DBCP	LT 5.6	UGL	D		
DCPD	LT 3.7	UGL	D		
DMDS	LT 3.7	UGL	D		
ETC6H5	LT 2.4	UGL	D		
MEC6H5	LT 3.5	UGL	D		
MIBK	LT 1.2	UGL	D		
TCLEE	LT 2.9	UGL	D		
TRCLE	LT 2.0	UGL	D		
XYLEN	LT 2.4	UGL	D		
12DCD4	LT 2.6	UGL	D	N	10.000
CD2CL2	9.5	UGL	D	N	10.000
ETBD10	11.	UGL	D	N	10.000

Method: UU8Analysis Number: QGD005 Lab Number: -STFP#46

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4	9.8	UGL		N	10.000
CD2CL2	10.	UGL		N	10.000
ETBD10	9.1	UGL		N	10.000
111TCE	LT 2.4	UGL		T	
112TCE	LT 1.6	UGL		T	
11DCLE	LT 1.4	UGL		T	
12DCE	LT 3.2	UGL		T	
12DCLE	LT 0.72	UGL		T	
13DMB	LT 2.9	UGL		T	
BCHPD	LT 1.8	UGL		T	
C6H6	4.4	UGL		T	
CCL4	LT 4.9	UGL		T	
CH2CL2	ND 5.0	UGL	R	T	
CHCL3	LT 1.7	UGL		T	
CLC6H5	LT 1.8	UGL		T	
DBCP	LT 5.6	UGL		T	
DCPD	LT 3.7	UGL		T	
DMDS	LT 3.7	UGL		T	
ETC6H5	LT 2.4	UGL		T	
MEC6H5	LT 3.5	UGL		T	
MIBK	LT 1.2	UGL		T	
TCLEE	LT 2.9	UGL		T	

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Final Data Report for MKE Sampling Programs

Site Identification: WELL 02501

Sample Date: 04/04/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGD005 Lab Number: -STFP#46

Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
TRCLE	LT	2.0	UGL		T		
XYLEN	LT	2.4	UGL		T		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02502Sample Date: 04/06/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGF003 Lab Number: -STFP#51

Test Name		Corrected Value	Units	FC	QC	QC Spike
12DCD4		10.	UGL		N	10.000
CD2CL2		10.	UGL		N	10.000
ETBD10		9.8	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	
C6H6	LT	2.7	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Sample Date: 04/09/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGG005 Lab Number: -STFP#56

Test Name		Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		3.7	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		30000.	UGL			
CCL4	LT	4.9	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02502Sample Date: 04/09/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGG005 Lab Number: -STFP#56

Test Name		Corrected Value	Units	FC	QC	QC	Spike
CH2CL2	ND	5.0	UGL	R			
CHCL3		5.2	UGL				
CLC6H5		14.	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4	LT	2.6	UGL		N		10.000
CD2CL2		8.5	UGL		N		10.000
ETBD10		10.	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02503Sample Date: 04/04/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGE004 Lab Number: -STFP#47

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		58.	UGL			
12DCE		12.	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		9000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		7.5	UGL			
CLC6H5		58.	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL		N	10.000
CD2CL2		9.1	UGL		N	10.000
ETBD10		12.	UGL		N	10.000

Method: UU8Analysis Number: QGE005 Lab Number: -STFP#48

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL		F	
112TCE	LT	1.6	UGL		F	
11DCLE	LT	1.4	UGL		F	
12DCE	LT	3.2	UGL		F	
12DCLE	LT	0.72	UGL		F	
13DMB	LT	2.9	UGL		F	
BCHPD	LT	1.8	UGL		F	
C6H6	LT	2.7	UGL		F	
CCL4	LT	4.9	UGL		F	
CH2CL2	ND	5.0	UGL	R	F	
CHCL3	LT	1.7	UGL		F	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02503Sample Date: 04/04/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGE005 Lab Number: -STFP#48

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CLC6H5	LT	1.8	UGL		F		
DBCP	LT	5.6	UGL		F		
DCPD	LT	3.7	UGL		F		
DMDS	LT	3.7	UGL		F		
ETC6H5	LT	2.4	UGL		F		
MEC6H5	LT	3.5	UGL		F		
MIBK	LT	1.2	UGL		F		
TCLEE	LT	2.9	UGL		F		
TRCLE	LT	2.0	UGL		F		
XYLEN	LT	2.4	UGL		F		
12DCD4		12.	UGL		N		10.000
CD2CL2		11.	UGL		N		10.000
ETBD10		11.	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02504Sample Date: 04/03/90Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: QGB006 Lab Number: -STFP#37

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		51.	UGL				
12DCE		15.	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6		500.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5		24.	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE		2.1	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		11.	UGL		N		10.000
CD2CL2		10.	UGL		N		10.000
ETBD10		9.8	UGL		N		10.000

Method: UU8Analysis Number: QGB007 Lab Number: -STFP#38

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL	D			
112TCE	LT	1.6	UGL	D			
11DCLE		57.	UGL	D			
12DCE		19.	UGL	D			
12DCLE	LT	0.72	UGL	D			
13DMB	LT	2.9	UGL	D			
BCHPD	LT	1.8	UGL	D			
C6H6		400.	UGL	D			
CCL4	LT	4.9	UGL	D			
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL	D			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02504Sample Date: 04/03/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGB007 Lab Number: -STFP#38

Test Name		Corrected Value	Units	FC	QC	QC Spike
CLC6H5		24.	UGL	D		
DBCP	LT	5.6	UGL	D		
DCPD	LT	3.7	UGL	D		
DMDS	LT	3.7	UGL	D		
ETC6H5	LT	2.4	UGL	D		
MEC6H5	LT	3.5	UGL	D		
MIBK	LT	1.2	UGL	D		
TCLEE	LT	2.9	UGL	D		
TRCLE		2.5	UGL	D		
XYLEN	LT	2.4	UGL	D		
12DCD4		11.	UGL	D	N	10.000
CD2CL2		11.	UGL	D	N	10.000
ETBD10		9.8	UGL	D	N	10.000

Method: UU8Analysis Number: QGE003 Lab Number: -STFP#43

Test Name		Corrected Value	Units	FC	QC	QC Spike
12DCD4		9.8	UGL		N	10.000
CD2CL2		9.5	UGL		N	10.000
ETBD10		9.8	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	
C6H6	LT	2.7	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02504Sample Date: 04/03/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGE003 Lab Number: -STFP#43

Test

Name	Corrected Value	Units	FC	QC	QC Spike
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TRCLE	LT	2.0	UGL	T	
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XYLEN	LT	2.4	UGL	T	
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Sample Date: 05/02/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGK008 Lab Number: -STFP#81

Test

Name	Corrected Value	Units	FC	QC	QC Spike
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111TCE	LT	2.4	UGL		
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112TCE	LT	1.6	UGL		
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11DCLE		66.	UGL		
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12DCE		16.	UGL		
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12DCLE	LT	0.72	UGL		
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13DMB	LT	2.9	UGL		
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BCHPD	LT	1.8	UGL		
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C6H6		300.	UGL		
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CCL4	LT	4.9	UGL		
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CH2CL2		6.0	UGL	R	
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CHCL3	LT	1.7	UGL		
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CLC6H5		24.	UGL		
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DBCP	LT	5.6	UGL		
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DCPD	LT	3.7	UGL		
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DMDS	LT	3.7	UGL		
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ETC6H5	LT	2.4	UGL		
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MEC6H5	LT	3.5	UGL		
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MIBK	LT	1.2	UGL		
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TCLEE	LT	2.9	UGL		
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TRCLE		3.4	UGL		
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XYLEN	LT	2.4	UGL		
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12DCD4		9.4	UGL	N	10.000
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CD2CL2		8.2	UGL	N	10.000
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ETBD10		8.9	UGL	N	10.000
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Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02504Sample Date: 05/02/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGK009 Lab Number: -STFP#82

Test Name		Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL		F	
112TCE	LT	1.6	UGL		F	
11DCLE	LT	1.4	UGL		F	
12DCE	LT	3.2	UGL		F	
12DCLE	LT	0.72	UGL		F	
13DMB	LT	2.9	UGL		F	
BCHPD	LT	1.8	UGL		F	
C6H6	LT	2.7	UGL		F	
CCL4	LT	4.9	UGL		F	
CH2CL2		6.7	UGL	R	F	
CHCL3	LT	1.7	UGL		F	
CLC6H5		4.1	UGL		F	
DBCP	LT	5.6	UGL		F	
DCPD	LT	3.7	UGL		F	
DMDS	LT	3.7	UGL		F	
ETC6H5	LT	2.4	UGL		F	
MEC6H5	LT	3.5	UGL		F	
MIBK	LT	1.2	UGL		F	
TCLEE	LT	2.9	UGL		F	
TRCLE	LT	2.0	UGL		F	
XYLEN	LT	2.4	UGL		F	
12DCD4		11.	UGL		N	10.000
CD2CL2		10.	UGL		N	10.000
ETBD10		10.	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02505Sample Date: 04/03/90Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: QGB008 Lab Number: -STFP#39

Test Name		Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		47.	UGL			
12DCE		16.	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		39.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		2.6	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL	N		10.000
CD2CL2		9.6	UGL	N		10.000
ETBD10		9.4	UGL	N		10.000

Method: UU8Analysis Number: QGC003 Lab Number: -STFP#40

Test Name		Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL	D		
112TCE	LT	1.6	UGL	D		
11DCLE		74.	UGL	D		
12DCE		21.	UGL	D		
12DCLE	LT	0.72	UGL	D		
13DMB	LT	2.9	UGL	D		
BCHPD	LT	1.8	UGL	D		
C6H6		10.	UGL	D		
CCL4	LT	4.9	UGL	D		
CH2CL2	ND	5.0	UGL	R		
CHCL3		67.	UGL	D		

Final Data Report for MKE Sampling Programs

Site Identification: WELL 02505

Sample Date: 04/03/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGC003 Lab Number: -STFP#40

Test Name	Corrected Value	Units	FC	QC	QC Spike
CLC6H5	LT	1.8	UGL	D	
DBCP	LT	5.6	UGL	D	
DCPD	LT	3.7	UGL	D	
DMDS	LT	3.7	UGL	D	
ETC6H5	LT	2.4	UGL	D	
MEC6H5	LT	3.5	UGL	D	
MIBK	LT	1.2	UGL	D	
TCLEE	LT	2.9	UGL	D	
TRCLE		3.8	UGL	D	
XYLEN	LT	2.4	UGL	D	
12DCD4		11.	UGL	D N	10.000
CD2CL2		9.3	UGL	D N	10.000
ETBD10		10.	UGL	D N	10.000

Sample Date: 05/01/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: QGI005 Lab Number: -STFP#74

Test Name	Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL		
112TCE	LT	1.6	UGL		
11DCLE		66.	UGL		
12DCE		19.	UGL		
12DCLE	LT	0.72	UGL		
13DMB	LT	2.9	UGL		
BCHPD	LT	1.8	UGL		
C6H6	LT	2.7	UGL		
CCL4	LT	4.9	UGL		
CH2CL2	ND	5.0	UGL	R	
CHCL3		83.	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE		4.1	UGL		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02505Sample Date: 05/01/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGI005 Lab Number: -STFP#74Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
XYLEN	LT	2.4	UGL			
12DCD4		12.	UGL		N	10.000
CD2CL2		8.3	UGL		N	10.000
ETBD10		8.9	UGL		N	10.000

Method: UU8Analysis Number: QGI006 Lab Number: -STFP#75Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL	D		
112TCE	LT	1.6	UGL	D		
11DCLE		72.	UGL	D		
12DCE		19.	UGL	D		
12DCLE	LT	0.72	UGL	D		
13DMB	LT	2.9	UGL	D		
BCHPD	LT	1.8	UGL	D		
C6H6	LT	2.7	UGL	D		
CCL4	LT	4.9	UGL	D		
CH2CL2		6.2	UGL	R		
CHCL3		82.	UGL	D		
CLC6H5	LT	1.8	UGL	D		
DBCP	LT	5.6	UGL	D		
DCPD	LT	3.7	UGL	D		
DMDS	LT	3.7	UGL	D		
ETC6H5	LT	2.4	UGL	D		
MEC6H5	LT	3.5	UGL	D		
MIBK	LT	1.2	UGL	D		
TCLEE	LT	2.9	UGL	D		
TRCLE		4.4	UGL	D		
XYLEN	LT	2.4	UGL	D		
12DCD4		13.	UGL	D	N	10.000
CD2CL2		12.	UGL	D	N	10.000
ETBD10		9.9	UGL	D	N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02506Sample Date: 04/03/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGC004 Lab Number: -STFP#41

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		64.	UGL			
12DCE		17.	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		13.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		200.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		3.5	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL	N		10.000
CD2CL2		9.9	UGL	N		10.000
ETBD10		8.4	UGL	N		10.000

Sample Date: 05/01/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGK003 Lab Number: -STFP#76

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		71.	UGL			
12DCE		15.	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02506Sample Date: 05/01/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGK003 Lab Number: -STFP#76

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CH2CL2	ND	5.0	UGL	R		
CHCL3		200.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		4.6	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		13.	UGL		N	10.000
CD2CL2		12.	UGL		N	10.000
ETBD10		9.5	UGL		N	10.000

Method: UU8Analysis Number: QGK004 Lab Number: -STFP#77

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		10.	UGL		N	10.000
CD2CL2		8.8	UGL		N	10.000
ETBD10		8.2	UGL		N	10.000
111TCE	LT	2.4	UGL		R	
112TCE	LT	1.6	UGL		R	
11DCLE	LT	1.4	UGL		R	
12DCE	LT	3.2	UGL		R	
12DCLE	LT	0.72	UGL		R	
13DMB	LT	2.9	UGL		R	
BCHPD	LT	1.8	UGL		R	
C6H6	LT	2.7	UGL		R	
CCL4	LT	4.9	UGL		R	
CH2CL2	ND	5.0	UGL	R	R	
CHCL3	LT	1.7	UGL		R	
CLC6H5		2.9	UGL		R	
DBCP	LT	5.6	UGL		R	
DCPD	LT	3.7	UGL		R	
DMDS	LT	3.7	UGL		R	
ETC6H5	LT	2.4	UGL		R	
MEC6H5	LT	3.5	UGL		R	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02506Sample Date: 05/01/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGK004 Lab Number: -STFP#77

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
MIBK	LT	1.2	UGL		R		
TCLEE	LT	2.9	UGL		R		
TRCLE	LT	2.0	UGL		R		
XYLEN	LT	2.4	UGL		R		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02507Sample Date: 04/30/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGJ011 Lab Number: -STFP#70

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		24.	UGL			
12DCE		6.5	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		170.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		12.	UGL	N		10.000
CD2CL2		9.9	UGL	N		10.000
ETBD10		8.8	UGL	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02508Sample Date: 04/30/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGJ012 Lab Number: -STFP#71

Test Name		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		12.	UGL		N	10.000	
CD2CL2		11.	UGL		N	10.000	
ETBD10		9.4	UGL		N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02509Sample Date: 03/26/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSX005 Lab Number: -STFP#12

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6		400.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		11.	UGL		N	10.000	
CD2CL2		9.8	UGL		N	10.000	
ETBD10		10.	UGL		N	10.000	

Sample Date: 05/01/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGK005 Lab Number: -STFP#78

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02509Sample Date: 05/01/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGK005 Lab Number: -STFP#78

Test Name	Corrected Value	Units	FC	QC	QC Spike
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		9.1	UGL	N	10.000
CD2CL2		8.2	UGL	N	10.000
ETBD10		8.0	UGL	N	10.000

Method: UU8Analysis Number: QGK006 Lab Number: -STFP#79

Test Name	Corrected Value	Units	FC	QC	QC Spike
12DCD4	10.	UGL		N	10.000
CD2CL2	8.4	UGL		N	10.000
ETBD10	9.2	UGL		N	10.000
111TCE	LT	2.4	UGL	T	
112TCE	LT	1.6	UGL	T	
11DCLE	LT	1.4	UGL	T	
12DCE	LT	3.2	UGL	T	
12DCLE	LT	0.72	UGL	T	
13DMB	LT	2.9	UGL	T	
BCHPD	LT	1.8	UGL	T	
C6H6	LT	2.7	UGL	T	
CCL4	LT	4.9	UGL	T	
CH2CL2		5.8	UGL	R	T
CHCL3	LT	1.7	UGL	T	
CLC6H5	LT	1.8	UGL	T	
DBCP	LT	5.6	UGL	T	
DCPD	LT	3.7	UGL	T	
DMDS	LT	3.7	UGL	T	
ETC6H5	LT	2.4	UGL	T	
MEC6H5	LT	3.5	UGL	T	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02509Sample Date: 05/01/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGK006 Lab Number: -STFP#79

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
MIBK	LT	1.2	UGL		T		
TCLEE	LT	2.9	UGL		T		
TRCLE	LT	2.0	UGL		T		
XYLEN	LT	2.4	UGL		T		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02510Sample Date: 04/27/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGJ003 Lab Number: -STFP#62

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLLE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL	N		10.000
CD2CL2		9.8	UGL	N		10.000
ETBD10		9.3	UGL	N		10.000

Method: UU8Analysis Number: QGJ004 Lab Number: -STFP#63

Test Name	Corrected Value	Units	FC	QC	QC	Spike
12DCD4		14.	UGL	N		10.000
CD2CL2		12.	UGL	N		10.000
ETBD10		11.	UGL	N		10.000
111TCE	LT	2.4	UGL	R		
112TCE	LT	1.6	UGL	R		
11DCLE	LT	1.4	UGL	R		
12DCE	LT	3.2	UGL	R		
12DCLE	LT	0.72	UGL	R		
13DMB	LT	2.9	UGL	R		
BCHPD	LT	1.8	UGL	R		
C6H6		3.6	UGL	R		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02510Sample Date: 04/27/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGJ004 Lab Number: -STFP#63

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CCL4	LT	4.9	UGL		R		
CH2CL2	ND	5.0	UGL	R	R		
CHCL3	LT	1.7	UGL		R		
CLC6H5		3.5	UGL		R		
DBCP	LT	5.6	UGL		R		
DCPD	LT	3.7	UGL		R		
DMDS	LT	3.7	UGL		R		
ETC6H5	LT	2.4	UGL		R		
MEC6H5	LT	3.5	UGL		R		
MIBK	LT	1.2	UGL		R		
TCLEE	LT	2.9	UGL		R		
TRCLE	LT	2.0	UGL		R		
XYLEN	LT	2.4	UGL		R		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02511Sample Date: 04/27/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGJ005 Lab Number: -STFP#64

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		12.	UGL	N		10.000
CD2CL2		11.	UGL	N		10.000
ETBD10		9.2	UGL	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02512Sample Date: 04/27/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGJ006 Lab Number: -STFP#65

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2		7.1	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL		N	10.000
CD2CL2		9.3	UGL		N	10.000
ETBD10		9.3	UGL		N	10.000

Method: UU8Analysis Number: QGJ007 Lab Number: -STFP#66

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		12.	UGL		N	10.000
CD2CL2		9.0	UGL		N	10.000
ETBD10		8.0	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	
C6H6	LT	2.7	UGL		T	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02512Sample Date: 04/27/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGJ007 Lab Number: -STFP#66

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CCL4	LT	4.9	UGL		T		
CH2CL2	ND	5.0	UGL	R	T		
CHCL3	LT	1.7	UGL		T		
CLC6H5	LT	1.8	UGL		T		
DBCP	LT	5.6	UGL		T		
DCPD	LT	3.7	UGL		T		
DMDS	LT	3.7	UGL		T		
ETC6H5	LT	2.4	UGL		T		
MEC6H5	LT	3.5	UGL		T		
MIBK	LT	1.2	UGL		T		
TCLEE	LT	2.9	UGL		T		
TRCLE	LT	2.0	UGL		T		
XYLEN	LT	2.4	UGL		T		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02561Sample Date: 03/26/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSX006 Lab Number: -STFP#13

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6		300000.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5		15.	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5		9.6	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4	LT	2.6	UGL		N	10.000	
CD2CL2		9.0	UGL		N	10.000	
ETBD10		12.	UGL		N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02562Sample Date: 04/04/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGE006 Lab Number: -STFP#49

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB		5.7	UGL			
BCHPD	LT	1.8	UGL			
C6H6		800000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	GT	160.	UGL			
DBCP	LT	5.6	UGL			
DCPD		29.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5		16.	UGL			
MEC6H5		24.	UGL			
MIBK	LT	1.2	UGL			
TCLEE		4.8	UGL			
TRCLE	LT	2.0	UGL			
XYLEN		12.	UGL			
12DCD4	LT	2.6	UGL	N		10.000
CD2CL2		9.9	UGL	N		10.000
ETBD10		12.	UGL	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02572Sample Date: 03/20/90Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSW003 Lab Number: K-STFP#1

Test Name		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		11.	UGL				
12DCE		3.5	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5		15.	UGL				
DBCP	LT	5.6	UGL				
DCPD		20.	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE		2.3	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		11.	UGL		N	10.000	
CD2CL2		10.	UGL		N	10.000	
ETBD10		11.	UGL		N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02574Sample Date: 03/21/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSW006 Lab Number: K-STFP#4

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE		2.4	UGL				
112TCE		1.6	UGL				
11DCLE		17.	UGL				
12DCE		3.7	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5		82.	UGL				
DBCP	LT	5.6	UGL				
DCPD		5.5	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE		2.9	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		11.	UGL		N	10.000	
CD2CL2		11.	UGL		N	10.000	
ETBD10		10.	UGL		N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02575Sample Date: 03/22/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSW010 Lab Number: K-STFP#8

Test Name		Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		46.	UGL			
12DCE		9.7	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		300.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5		200.	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		4.9	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL		N	10.000
CD2CL2		10.	UGL		N	10.000
ETBD10		9.3	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02576Sample Date: 03/27/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSY003 Lab Number: -STFP#17

Test Name	Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL		
112TCE	LT	1.6	UGL		
11DCLE	LT	1.4	UGL		
12DCE	LT	3.2	UGL		
12DCLE	LT	0.72	UGL		
13DMB	LT	2.9	UGL		
BCHPD	LT	1.8	UGL		
C6H6		9000.	UGL		
CCL4	LT	4.9	UGL		
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		8.9	UGL	N	10.000
CD2CL2		9.6	UGL	N	10.000
ETBD10		9.6	UGL	N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02577Sample Date: 03/27/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSY004 Lab Number: -STFP#18

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		58.	UGL			
12DCE		12.	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		38.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		61.	UGL			
CLC6H5		4.1	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE		2.4	UGL			
TRCLE		3.2	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL	N		10.000
CD2CL2		9.7	UGL	N		10.000
ETBD10		10.	UGL	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02578Sample Date: 03/22/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSW011 Lab Number: K-STFP#9

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		30.	UGL			
12DCE		6.1	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		13.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		3.4	UGL			
CLC6H5		41.	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		1.9	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL	N		10.000
CD2CL2		11.	UGL	N		10.000
ETBD10		8.8	UGL	N		10.000

Method: UU8Analysis Number: GSX003 Lab Number: -STFP#10

Test Name	Corrected Value	Units	FC	QC	QC	Spike
12DCD4		9.9	UGL	N		10.000
CD2CL2		11.	UGL	N		10.000
ETBD10		11.	UGL	N		10.000
111TCE	LT	2.4	UGL	T		
112TCE	LT	1.6	UGL	T		
11DCLE	LT	1.4	UGL	T		
12DCE	LT	3.2	UGL	T		
12DCLE	LT	0.72	UGL	T		
13DMB	LT	2.9	UGL	T		
BCHPD	LT	1.8	UGL	T		
C6H6	LT	2.7	UGL	T		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02578Sample Date: 03/22/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSX003 Lab Number: -STFP#10

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02579Sample Date: 03/21/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSW007 Lab Number: K-STFP#5

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		38.	UGL				
12DCE		9.7	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5		1000.	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE		2.4	UGL				
TRCLE		4.5	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		11.	UGL		N		10.000
CD2CL2		10.	UGL		N		10.000
ETBD10		10.	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02580Sample Date: 03/22/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSX004 Lab Number: -STFP#11

Test Name		Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		3.5	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		21.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5		9.4	UGL			
DBCP	LT	5.6	UGL			
DCPD		8.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE		3.3	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL		N	10.000
CD2CL2		10.	UGL		N	10.000
ETBD10		11.	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02581Sample Date: 03/20/90Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSW004 Lab Number: K-STFP#2

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		9.2	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5		3.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE		2.4	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		11.	UGL	N		10.000	
CD2CL2		12.	UGL	N		10.000	
ETBD10		9.7	UGL	N		10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02582Sample Date: 03/20/90Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSW005 Lab Number: K-STFP#3

Test Name		Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		5.7	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2		44.	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5		16.	UGL			
DBCP	LT	5.6	UGL			
DCPD		6.6	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		12.	UGL		N	10.000
CD2CL2		10.	UGL		N	10.000
ETBD10		10.	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02583Sample Date: 03/21/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSW008 Lab Number: K-STFP#6

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		9.8	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD		12.	UGL			
C6H6		20000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		19.	UGL			
CLC6H5		300.	UGL			
DBCP	LT	5.6	UGL			
DCPD		19.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE		4.3	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4	LT	2.6	UGL	N		10.000
CD2CL2		8.9	UGL	N		10.000
ETBD10		9.7	UGL	N		10.000

Method: UU8Analysis Number: GSW009 Lab Number: K-STFP#7

Test Name	Corrected Value	Units	FC	QC	QC	Spike
12DCD4		12.	UGL	N		10.000
CD2CL2		11.	UGL	N		10.000
ETBD10		9.8	UGL	N		10.000
111TCE	LT	2.4	UGL	T		
112TCE	LT	1.6	UGL	T		
11DCLE	LT	1.4	UGL	T		
12DCE	LT	3.2	UGL	T		
12DCLE	LT	0.72	UGL	T		
13DMB	LT	2.9	UGL	T		
BCHPD	LT	1.8	UGL	T		
C6H6	LT	2.7	UGL	T		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02583Sample Date: 03/21/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSW009 Lab Number: K-STFP#7

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Final Data Report for MKE Sampling Programs

Site Identification: WELL 02584

Sample Date: 03/27/90

Depth(ft): 0.0 Sampling Technique: P

Method: UU8

Analysis Number: GSY005 Lab Number: -STFP#19

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		80000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5		2.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4	LT	2.6	UGL	N		10.000
CD2CL2		9.8	UGL	N		10.000
ETBD10		10.	UGL	N		10.000

Method: UU8

Analysis Number: GSY007 Lab Number: -STFP#21

Test Name	Corrected Value	Units	FC	QC	QC	Spike
12DCD4		11.	UGL	N		10.000
CD2CL2		10.	UGL	N		10.000
ETBD10		8.5	UGL	N		10.000
111TCE	LT	2.4	UGL	T		
112TCE	LT	1.6	UGL	T		
11DCLE	LT	1.4	UGL	T		
12DCE	LT	3.2	UGL	T		
12DCLE	LT	0.72	UGL	T		
13DMB	LT	2.9	UGL	T		
BCHPD	LT	1.8	UGL	T		
C6H6	LT	2.7	UGL	T		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02584Sample Date: 03/27/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSY007 Lab Number: -STFP#21

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02585Sample Date: 03/26/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSX007 Lab Number: -STFP#14

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		1000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCF	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL	N		10.000
CD2CL2		9.1	UGL	N		10.000
ETBD10		11.	UGL	N		10.000

Sample Date: 05/02/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGK010 Lab Number: -STFP#83

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02585Sample Date: 05/02/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGK010 Lab Number: -STFP#83

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		11.	UGL	N	10.000
CD2CL2		8.0	UGL	N	10.000
ETBD10		8.7	UGL	N	10.000

Method: UU8Analysis Number: QGK011 Lab Number: -STFP#84

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4	12.	UGL		N	10.000
CD2CL2	11.	UGL		N	10.000
ETBD10	8.3	UGL		N	10.000
111TCE	LT 2.4	UGL		T	
112TCE	LT 1.6	UGL		T	
11DCLE	LT 1.4	UGL		T	
12DCE	LT 3.2	UGL		T	
12DCLE	LT 0.72	UGL		T	
13DMB	LT 2.9	UGL		T	
BCHPD	LT 1.8	UGL		T	
C6H6	LT 2.7	UGL		T	
CCL4	LT 4.9	UGL		T	
CH2CL2	5.4	UGL	R	T	
CHCL3	LT 1.7	UGL		T	
CLC6H5	LT 1.8	UGL		T	
DBCP	LT 5.6	UGL		T	
DCPD	LT 3.7	UGL		T	
DMDS	LT 3.7	UGL		T	
ETC6H5	LT 2.4	UGL		T	
MEC6H5	LT 3.5	UGL		T	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02585Sample Date: 05/02/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGK011 Lab Number: -STFP#84

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
MIBK	LT	1.2	UGL			T	
TCLEE	LT	2.9	UGL			T	
TRCLE	LT	2.0	UGL			T	
XYLEN	LT	2.4	UGL			T	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02596Sample Date: 03/26/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSX008 Lab Number: -STFP#15

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		600.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL	N		10.000
CD2CL2		8.7	UGL	N		10.000
ETBD10		10.	UGL	N		10.000

Method: UU8Analysis Number: GSX009 Lab Number: -STFP#16

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		11.	UGL		N	10.000
CD2CL2		9.1	UGL		N	10.000
ETBD10		9.6	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	
C6H6	LT	2.7	UGL		T	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02596Sample Date: 03/26/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSX009 Lab Number: -STFP#16

Test Name	Corrected Value	Units	FC	QC	QC Spike
CCL4	LT	4.9	UGL		T
CH2CL2	ND	5.0	UGL	R	T
CHCL3	LT	1.7	UGL		T
CLC6H5	LT	1.8	UGL		T
DBCP	LT	5.6	UGL		T
DCPD	LT	3.7	UGL		T
DMDS	LT	3.7	UGL		T
ETC6H5	LT	2.4	UGL		T
MEC6H5	LT	3.5	UGL		T
MIBK	LT	1.2	UGL		T
TCLEE	LT	2.9	UGL		T
TRCLE	LT	2.0	UGL		T
XYLEN	LT	2.4	UGL		T

Sample Date: 05/01/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGK007 Lab Number: -STFP#80

Test Name	Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL		
112TCE	LT	1.6	UGL		
11DCLE	LT	1.4	UGL		
12DCE	LT	3.2	UGL		
12DCLE	LT	0.72	UGL		
13DMB	LT	2.9	UGL		
BCHPD	LT	1.8	UGL		
C6H6	LT	2.7	UGL		
CCL4	LT	4.9	UGL		
CH2CL2		5.5	UGL	R	
CHCL3	LT	1.7	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02596Sample Date: 05/01/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGK007 Lab Number: -STFP#80

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL	N		10.000
CD2CL2		8.6	UGL	N		10.000
ETBD10		9.5	UGL	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02598Sample Date: 03/27/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: GSY006 Lab Number: -STFP#20

Test Name		Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		64.	UGL			
12DCE		15.	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		90.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		300.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		3.8	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL		N	10.000
CD2CL2		11.	UGL		N	10.000
ETBD10		10.	UGL		N	10.000

Sample Date: 04/30/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGI003 Lab Number: -STFP#72

Test Name		Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		57.	UGL			
12DCE		15.	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02598Sample Date: 04/30/90Depth(ft): 0.0 Sampling Technique: PMethod: UU8Analysis Number: QGI003 Lab Number: -STFP#72

Test Name		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CH2CL2	ND	5.0	UGL	R		
CHCL3		60.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE		3.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL	N		10.000
CD2CL2		7.7	UGL	N		10.000
ETBD10		8.1	UGL	N		10.000

STFP: Selected Metals and Inorganics
 Hunter/ESE, Inc.
 Project Number 6902010-0305

SITE ID	Date	Total Calcium mg/L	Total Copper mg/L	Total Magnesium mg/L	Total Manganese mg/L	Total Nickel mg/L	Total Iron mg/L	Nitrate ug/L	Nitrite ug/L	(Ortho) Phosphate ug/L
02580	03/22/90	56.8	<0.0041	20.5	1.09	<0.0130	0.0398	9170	<500	<100
01560	03/22/90	166	<0.0041	55	2.04	<0.0130	5.11	230	<500	<625
01547	04/02/90	73.4	0.0217	27	0.229	<0.0130	11.5	4690	<250	<1000
01552R	04/02/90	12	0.0066	3.35	0.0102	0.0142	0.381	<250	<250	<1000
01588	04/02/90	86.8	0.016	28.7	0.453	0.0132	12.1	<250	<250	<1000
01579	04/03/90	99	0.0252	39.7	0.922	0.0196	36.4	47400	<6250	<1000
02504	04/03/90	488	0.0313	143	0.743	<0.0130	38.9	<125	<6250	<1000
02505	04/03/90	427	<0.0041	123	0.342	<0.0130	3.84	235	<6250	<1000
02506	04/03/90	390	<0.0041	105	0.0856	<0.0130	0.0128	394	<6250	<1000
02501	04/04/90	134	<0.0041	41.2	0.32	<0.0130	0.273	242	<500	<1000
02501D	04/04/90	133	<0.0041	41.1	0.312	<0.0130	0.255	289	<500	<1000
01540	04/04/90	90.6	<0.0041	34.8	0.0336	<0.0130	0.298	12500	4580	<500
01535R	04/04/90	0.393	0.0088	0.0545	0.001	<0.0130	0.0656	<125	<125	<500

R - Rinse Blank
 D - Duplicate

APPENDIX B

Groundwater Quality Data - Fall 1989

Final Data Report for MKE Sampling Programs

The data presented herein has been forwarded to PMRMA for review, approval, and upload into the RMA Database. The concentration values presented herein are correct for moisture, dilution, accuracy, and number of significant figures. Please note, however, that this data has not been formally approved by PMRMA and is subject to change.

Flagging Code Descriptions:

FC field: (D) duplicate (C) confirmed (R) analyte not certified

(U) unconfirmed (G) quantitation questionable

QC field: (F) field blank (M) method blank (N) natural matrix spike

(R) rinse blank (S) standard spike (T) trip blank

Pertinent Installation Restoration Data Management System Information:

INSTALLATION: RK LABORATORY: ED FILE: CGW PROGRAM: LIT

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01028Sample Date: 11/10/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGX005 Lab Number: PLUME#25

Test Name	Corrected Value	Units	FC	QC	QC	Spike
DIMP	LT 10.1	UGL				
DMMP	LT 16.3	UGL				

Method: VV8Analysis Number: GHW020 Lab Number: PLUME#25

Test Name	Corrected Value	Units	FC	QC	QC	Spike
AS	LT 2.50	UGL				

Method: NN8Analysis Number: GJT005 Lab Number: PLUME#25

Test Name	Corrected Value	Units	FC	QC	QC	Spike
CL	270000.	UGL				
F	LT 10000.	UGL				
SO4	2100000.	UGL				

Method: MM8AAnalysis Number: GPU010 Lab Number: PLUME#25

Test Name	Corrected Value	Units	FC	QC	QC	Spike
ALDRN	LT 0.0830	UGL				
CL6CP	LT 0.0830	UGL				
CLDAN	LT 0.152	UGL				
DLDRN	0.123	UGL		C		
ENDRN	0.196	UGL		C		
ISODR	LT 0.0560	UGL				
PPDDE	LT 0.0460	UGL				
PPDDT	LT 0.0590	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01028Sample Date: 11/10/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSL006 Lab Number: PLUME#25

Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		12.	UGL		N	10.000
CD2CL2		12.	UGL		N	10.000
ETBD10		11.	UGL		N	10.000

Method: WW8Analysis Number: GWJ005 Lab Number: PLUME#25

Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
HG	LT	0.500	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01028Sample Date: 11/10/89Depth(ft): 0.0 Sampling Technique: BMethod: PP8AAnalysis Number: QBA010 Lab Number: PLUME#25

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT	1.14	UGL				
CPMS	LT	1.08	UGL				
CPMSO	LT	1.98	UGL				
CPMSO2	LT	2.24	UGL				
DITH	LT	3.34	UGL				
DMDS	LT	1.16	UGL				
OXAT	LT	1.35	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01049Sample Date: 11/10/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGX006 Lab Number: PLUME#26

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT 10.1	UGL				
DMMP	LT 16.3	UGL				

Method: VV8Analysis Number: GHW021 Lab Number: PLUME#26

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT 2.50	UGL				

Method: NN8Analysis Number: GJT006 Lab Number: PLUME#26

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL	70000.	UGL				
F	LT 10000.	UGL				
SO4	73000.	UGL				

Method: MM8AAnalysis Number: GPU011 Lab Number: PLUME#26

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT 0.0830	UGL				
CL6CP	LT 0.0830	UGL				
CLDAN	LT 0.152	UGL				
DLDRN	0.147	UGL		C		
ENDRN	0.171	UGL		C		
ISODR	LT 0.0560	UGL				
PPDDE	LT 0.0460	UGL				
PPDDT	LT 0.0590	UGL				

Final Data Report for MKE Sampling Programs

Site Identification: WELL 01049

Sample Date: 11/10/89

Depth(ft): 0.0 Sampling Technique: B

Method: UU8

Analysis Number: GSL007 Lab Number: PLUME#26

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL	N		10.000
CD2CL2		12.	UGL	N		10.000
ETBD10		11.	UGL	N		10.000

Method: UU8

Analysis Number: GSL008 Lab Number: PLUME#27

Test Name	Corrected Value	Units	FC	QC	QC	Spike
12DCD4		10.	UGL	N		10.000
CD2CL2		12.	UGL	N		10.000
ETBD10		10.	UGL	N		10.000
111TCE	LT	2.4	UGL	T		
112TCE	LT	1.6	UGL	T		
11DCLE	LT	1.4	UGL	T		
12DCE	LT	3.2	UGL	T		
12DCLE	LT	0.72	UGL	T		
13DMB	LT	2.9	UGL	T		
BCHPD	LT	1.8	UGL	T		
C6H6	LT	2.7	UGL	T		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01049Sample Date: 11/10/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSL008 Lab Number: PLUME#27

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CCL4	LT	4.9	UGL	T	
CH2CL2	ND	5.0	UGL	R	T
CHCL3	LT	1.7	UGL		T
CLC6H5	LT	1.8	UGL		T
DBCP	LT	5.6	UGL		T
DCPD	LT	3.7	UGL		T
DMDS	LT	3.7	UGL		T
ETC6H5	LT	2.4	UGL		T
MEC6H5	LT	3.5	UGL		T
MIBK	LT	1.2	UGL		T
TCLEE	LT	2.9	UGL		T
TRCLE	LT	2.0	UGL		T
XYLEN	LT	2.4	UGL		T

Method: WW8Analysis Number: GWJ006 Lab Number: PLUME#26

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
HG	LT	0.500	UGL		

Method: PP8AAnalysis Number: QBA011 Lab Number: PLUME#26

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
BTZ	LT	1.14	UGL		
CPMS	LT	1.08	UGL		
CPMSO	LT	1.98	UGL		
CPMSO2	LT	2.24	UGL		
DITH	LT	3.34	UGL		
DMDS	LT	1.16	UGL		
OXAT	LT	1.35	UGL		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01050Sample Date: 11/13/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGX009 Lab Number: PLUME#31

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT	10.1	UGL				
DMMP	LT	16.3	UGL				

Method: VV8Analysis Number: GHW024 Lab Number: PLUME#31

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT	2.50	UGL				

Method: NN8Analysis Number: GJT009 Lab Number: PLUME#31

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL		55000.	UGL				
F	LT	10000.	UGL				
SO4		490000.	UGL				

Method: MM8AAnalysis Number: GPV005 Lab Number: PLUME#31

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN		0.105	UGL	C			
CL6CP	LT	0.0830	UGL				
CLDAN	LT	0.152	UGL				
DLDRN		0.368	UGL	C			
ENDRN		0.607	UGL	C			
ISODR	LT	0.0560	UGL				
PPDDE	LT	0.0460	UGL				
PPDDT	LT	0.0590	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01050Sample Date: 11/13/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSK003 Lab Number: PLUME#31Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL	N		10.000
CD2CL2		10.	UGL	N		10.000
ETBD10		9.8	UGL	N		10.000

Method: WW8Analysis Number: GWJ009 Lab Number: PLUME#31Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
HG	LT	0.500	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01050Sample Date: 11/13/89Depth(ft): 0.0 Sampling Technique: BMethod: PP8AAnalysis Number: QBB005 Lab Number: PLUME#31

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT	1.14	UGL				
CPMS	LT	1.08	UGL				
CPMSO	LT	1.98	UGL				
CPMSO2	LT	2.24	UGL				
DITH	LT	3.34	UGL				
DMDS	LT	1.16	UGL				
OXAT	LT	1.35	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01560Sample Date: 11/13/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGX010 Lab Number: PLUME#32

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT 10.1	UGL				
DMMP	LT 16.3	UGL				

Method: VV8Analysis Number: GHW025 Lab Number: PLUME#32

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT 2.50	UGL				

Method: NN8Analysis Number: GJT010 Lab Number: PLUME#32

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL	600000.	UGL				
F	LT 10000.	UGL				
SO4	140000.	UGL				

Method: MM8AAnalysis Number: GPV006 Lab Number: PLUME#32

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT 0.0830	UGL				
CL6CP	LT 0.0830	UGL				
CLDAN	LT 0.152	UGL				
DLDRN	0.0792	UGL	C			
ENDRN	0.122	UGL	C			
ISODR	LT 0.0560	UGL				
PPDDE	LT 0.0460	UGL				
PPDDT	LT 0.0590	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01560Sample Date: 11/13/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSK004 Lab Number: PLUME#32

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		10000.	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		5.7	UGL	N		10.000
CD2CL2		11.	UGL	N		10.000
ETBD10		9.9	UGL	N		10.000

Method: UU8Analysis Number: GSK005 Lab Number: PLUME#33

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
12DCD4		11.	UGL	N		10.000
CD2CL2		12.	UGL	N		10.000
ETBD10		9.0	UGL	N		10.000
111TCE	LT	2.4	UGL	T		
112TCE	LT	1.6	UGL	T		
11DCLE	LT	1.4	UGL	T		
12DCE	LT	3.2	UGL	T		
12DCLE	LT	0.72	UGL	T		
13DMB	LT	2.9	UGL	T		
BCHPD	LT	1.8	UGL	T		
C6H6	LT	2.7	UGL	T		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01560Sample Date: 11/13/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSK005 Lab Number: PLUME#33Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CCL4	LT	4.9	UGL		T		
CH2CL2	ND	5.0	UGL	R	T		
CHCL3	LT	1.7	UGL		T		
CLC6H5	LT	1.8	UGL		T		
DBCP	LT	5.6	UGL		T		
DCPD	LT	3.7	UGL		T		
DMDS	LT	3.7	UGL		T		
ETC6H5	LT	2.4	UGL		T		
MEC6H5	LT	3.5	UGL		T		
MIBK	LT	1.2	UGL		T		
TCLEE	LT	2.9	UGL		T		
TRCLE	LT	2.0	UGL		T		
XYLEN	LT	2.4	UGL		T		

Method: WW8Analysis Number: GWJ010 Lab Number: PLUME#32Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
HG	LT	0.500	UGL				

Method: PP8AAnalysis Number: QBB006 Lab Number: PLUME#32Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT	1.14	UGL				
CPMS	LT	1.08	UGL				
CPMSO	LT	1.98	UGL				
CPMSO2	LT	2.24	UGL				
DITH	LT	3.34	UGL				
DMDS	LT	1.16	UGL				
OXAT	LT	1.35	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01578

Sample Date: 12/20/89

Depth(ft): 0.0 Sampling Technique: BMethod: VV8Analysis Number: GHX005 Lab Number: PLUME#40

Test Name	Corrected Value	Units	FC	QC	QC	Spike
AS	LT 1.00	UGL				

Method: NN8Analysis Number: GJV005 Lab Number: PLUME#40

Test Name	Corrected Value	Units	FC	QC	QC	Spike
CL	210000.	UGL				
F	LT 10000.	UGL				
SO4	70000.	UGL				

Method: MM8AAnalysis Number: GPY005 Lab Number: PLUME#40

Test Name	Corrected Value	Units	FC	QC	QC	Spike
ALDRN	LT 0.0830	UGL				
CL6CP	LT 0.0830	UGL				
CLDAN	LT 0.152	UGL				
DLDRN	LT 0.0539	UGL				
ENDRN	LT 0.0600	UGL				
ISODR	LT 0.0560	UGL				
PPDDE	LT 0.0460	UGL				
PPDDT	LT 0.0590	UGL				

Method: UU8Analysis Number: GSN005 Lab Number: PLUME#43

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT 2.4	UGL	D			
112TCE	LT 1.6	UGL	D			
11DCLE	LT 1.4	UGL	D			
12DCE	LT 3.2	UGL	D			
12DCLE	LT 0.72	UGL	D			
13DMB	LT 2.9	UGL	D			
BCHPD	LT 1.8	UGL	D			
C6H6	LT 2.7	UGL	D			
CCL4	LT 4.9	UGL	D			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01578Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSN005 Lab Number: PLUME#43

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL	D		
CLC6H5	LT	1.8	UGL	D		
DBCP	LT	5.6	UGL	D		
DCPD		11.	UGL	D		
DMDS	LT	3.7	UGL	D		
ETC6H5	LT	2.4	UGL	D		
MEC6H5	LT	3.5	UGL	D		
MIBK	LT	1.2	UGL	D		
TCLEE	LT	2.9	UGL	D		
TRCLE	LT	2.0	UGL	D		
XYLEN	LT	2.4	UGL	D		
12DCD4		10.	UGL	D	N	10.000
CD2CL2		11.	UGL	D	N	10.000
ETBD10		9.5	UGL	D	N	10.000

Method: UU8Analysis Number: GSO003 Lab Number: PLUME#40

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD		9.6	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01578Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSO003 Lab Number: PLUME#40

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL	N		10.000
CD2CL2		12.	UGL	N		10.000
ETBD10		9.5	UGL	N		10.000

Method: WW8Analysis Number: GWL005 Lab Number: PLUME#40

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
HG	LT	0.500	UGL			

Method: QQ8Analysis Number: QAA005 Lab Number: PLUME#40

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT	10.1	UGL			
DMMP	LT	16.3	UGL			

Method: PP8AAnalysis Number: QBD005 Lab Number: PLUME#40

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT	1.14	UGL			
CPMS	LT	1.08	UGL			
CPMSO	LT	1.98	UGL			
CPMSO2	LT	2.24	UGL			
DITH	LT	3.34	UGL			
DMDS	LT	1.16	UGL			
OXAT	LT	1.35	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01579Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: VV8Analysis Number: GHX006 Lab Number: PLUME#41

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT 1.00	UGL				

Method: NN8Analysis Number: GJV006 Lab Number: PLUME#41

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL	140000.	UGL				
F	LT 10000.	UGL				
SO4	82000.	UGL				

Method: MM8AAnalysis Number: GPY006 Lab Number: PLUME#41

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT 0.0830	UGL				
CL6CP	LT 0.0830	UGL				
CLDAN	LT 0.152	UGL				
DLDRN	LT 0.0539	UGL				
ENDRN	LT 0.0600	UGL				
ISODR	LT 0.0560	UGL				
PPDDE	LT 0.0460	UGL				
PPDDT	LT 0.0590	UGL				

Method: UU8Analysis Number: GSN003 Lab Number: PLUME#41

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT 2.4	UGL				
112TCE	LT 1.6	UGL				
11DCLE	LT 1.4	UGL				
12DCE	LT 3.2	UGL				
12DCLE	LT 0.72	UGL				
13DMB	LT 2.9	UGL				
BCHPD	LT 1.8	UGL				
C6H6	LT 2.7	UGL				
CCL4	LT 4.9	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01579Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSN003 Lab Number: PLUME#41

Test Name	Corrected Value	Units	FC	QC	QC Spike
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD		16.	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		9.1	UGL	N	10.000
CD2CL2		10.	UGL	N	10.000
ETBD10		9.1	UGL	N	10.000

Method: UU8Analysis Number: GSN006 Lab Number: PLUME#44

Test Name	Corrected Value	Units	FC	QC	QC Spike
12DCD4	9.4	UGL		N	10.000
CD2CL2	11.	UGL		N	10.000
ETBD10	10.	UGL		N	10.000
111TCE	LT	2.4	UGL	R	
112TCE	LT	1.6	UGL	R	
11DCLE	LT	1.4	UGL	R	
12DCE	LT	3.2	UGL	R	
12DCLE	LT	0.72	UGL	R	
13DMB	LT	2.9	UGL	R	
BCHPD	LT	1.8	UGL	R	
C6H6	LT	2.7	UGL	R	
CCL4	LT	4.9	UGL	R	
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL	R	
CLC6H5	LT	1.8	UGL	R	
DBCP	LT	5.6	UGL	R	
DCPD	LT	3.7	UGL	R	
DMDS	LT	3.7	UGL	R	
ETC6H5	LT	2.4	UGL	R	
MEC6H5	LT	3.5	UGL	R	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01579Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSN006 Lab Number: PLUME#44

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
MIBK	LT	1.2	UGL		R	
TCLEE	LT	2.9	UGL		R	
TRCLE	LT	2.0	UGL		R	
XYLEN	LT	2.4	UGL		R	

Method: WW8Analysis Number: GWL006 Lab Number: PLUME#41

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
HG	LT	0.500	UGL			

Method: QQ8Analysis Number: QAA006 Lab Number: PLUME#41

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT	10.1	UGL			
DMMP	LT	16.3	UGL			

Method: PP8AAnalysis Number: QBD006 Lab Number: PLUME#41

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT	1.14	UGL			
CPMS	LT	1.08	UGL			
CPMSO	LT	1.98	UGL			
CPMSO2	LT	2.24	UGL			
DITH	LT	3.34	UGL			
DMDS	LT	1.16	UGL			
OXAT	LT	1.35	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01580Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: VV8Analysis Number: GHX007 Lab Number: PLUME#42Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
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AS	LT	1.00	UGL		
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Method: NN8Analysis Number: GJV007 Lab Number: PLUME#42Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
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CL		200000.	UGL		
F	LT	10000.	UGL		
SO4		190000.	UGL		

Method: MM8AAnalysis Number: GPY007 Lab Number: PLUME#42Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
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ALDRN	LT	0.0830	UGL		
CL6CP	LT	0.0830	UGL		
CLDAN	LT	0.152	UGL		
DLDRN	LT	0.0539	UGL		
ENDRN	LT	0.0600	UGL		
ISODR	LT	0.0560	UGL		
PPDDE	LT	0.0460	UGL		
PPDDT		0.0717	UGL	C	

Method: UU8Analysis Number: GSN004 Lab Number: PLUME#42Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
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111TCE	LT	2.4	UGL		
112TCE	LT	1.6	UGL		
11DCLE	LT	1.4	UGL		
12DCE	LT	3.2	UGL		
12DCLE	LT	0.72	UGL		
13DMB	LT	2.9	UGL		
BCHPD	LT	1.8	UGL		
C6H6	LT	2.7	UGL		
CCL4	LT	4.9	UGL		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01580Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSN004 Lab Number: PLUME#42Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL	N		10.000
CD2CL2		11.	UGL	N		10.000
ETBD10		10.	UGL	N		10.000

Method: WW8Analysis Number: GWL007 Lab Number: PLUME#42Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
HG	LT	0.500	UGL			

Method: QQ8Analysis Number: QAA007 Lab Number: PLUME#42Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT	10.1	UGL			
DMMP	LT	16.3	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01580Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: PP8AAnalysis Number: QBD007 Lab Number: PLUME#42

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT	1.14	UGL				
CPMS	LT	1.08	UGL				
CPMSO	LT	1.98	UGL				
CPMSO2	LT	2.24	UGL				
DITH	LT	3.34	UGL				
DMDS	LT	1.16	UGL				
OXAT	LT	1.35	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01581Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: VV8Analysis Number: GHX008 Lab Number: PLUME#45TestName Corrected Value Units FC QC QC Spike

AS LT 1.00 UGL

Method: NN8Analysis Number: GJV008 Lab Number: PLUME#45TestName Corrected Value Units FC QC QC Spike

CL 200000. UGL

F LT 10000. UGL

SO4 70000. UGL

Method: MM8AAnalysis Number: GPY008 Lab Number: PLUME#45TestName Corrected Value Units FC QC QC Spike

ALDRN LT 0.0830 UGL

CL6CP LT 0.0830 UGL

CLDAN LT 0.152 UGL

DLDRN LT 0.0539 UGL

ENDRN LT 0.0600 UGL

ISODR LT 0.0560 UGL

PPDDE LT 0.0460 UGL

PPDDT LT 0.0590 UGL

Method: UU8Analysis Number: GSN007 Lab Number: PLUME#45TestName Corrected Value Units FC QC QC Spike

111TCE LT 2.4 UGL

112TCE LT 1.6 UGL

11DCLE LT 1.4 UGL

12DCE LT 3.2 UGL

12DCLE LT 0.72 UGL

13DMB LT 2.9 UGL

BCHPD LT 1.8 UGL

C6H6 LT 2.7 UGL

CCL4 LT 4.9 UGL

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01581Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSN007 Lab Number: PLUME#45

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		11.	UGL	N	10.000
CD2CL2		11.	UGL	N	10.000
ETBD10		10.	UGL	N	10.000

Method: WW8Analysis Number: GWL008 Lab Number: PLUME#45

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
HG	LT	0.500	UGL		

Method: QQ8Analysis Number: QAA008 Lab Number: PLUME#45

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
DIMP	LT	10.1	UGL		
DMMP	LT	16.3	UGL		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01581Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: PP8AAnalysis Number: QBD008 Lab Number: PLUME#45

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT	1.14	UGL				
CPMS	LT	1.08	UGL				
CPMSO	LT	1.98	UGL				
CPMSO2	LT	2.24	UGL				
DITH	LT	3.34	UGL				
DMDS	LT	1.16	UGL				
OXAT	LT	1.35	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01586Sample Date: 11/13/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGX011 Lab Number: PLUME#34

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT 10.1	UGL				
DMMP	LT 16.3	UGL				

Method: VV8Analysis Number: GHW026 Lab Number: PLUME#34

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT 2.50	UGL				

Method: NN8Analysis Number: GJT011 Lab Number: PLUME#34

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL	61000.	UGL				
F	LT 10000.	UGL				
SO4	98000.	UGL				

Method: MM8AAnalysis Number: GPV007 Lab Number: PLUME#34

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT 0.0830	UGL				
CL6CP	LT 0.0830	UGL				
CLDAN	LT 0.152	UGL				
DLDRN	0.0755	UGL		C		
ENDRN	0.0889	UGL		C		
ISODR	LT 0.0560	UGL				
PPDDE	LT 0.0460	UGL				
PPDDT	LT 0.0590	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01586Sample Date: 11/13/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSK006 Lab Number: PLUME#34

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		9.9	UGL		N	10.000	
CD2CL2		12.	UGL		N	10.000	
ETBD10		9.6	UGL		N	10.000	

Method: WW8Analysis Number: GWJ011 Lab Number: PLUME#34

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
HG	LT	0.500	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01586Sample Date: 11/13/89Depth(ft): 0.0 Sampling Technique: BMethod: PP8AAnalysis Number: QBB007 Lab Number: PLUME#34

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT	1.14	UGL				
CPMS	LT	1.08	UGL				
CPMSO	LT	1.98	UGL				
CPMSO2	LT	2.24	UGL				
DITH	LT	3.34	UGL				
DMDS	LT	1.16	UGL				
OXAT	LT	1.35	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01587Sample Date: 11/14/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGX012 Lab Number: PLUME#35Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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DIMP	LT	10.1	UGL			
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DMMP	LT	16.3	UGL			
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Method: VV8Analysis Number: GHW027 Lab Number: PLUME#35Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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AS	LT	2.50	UGL			
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Method: NN8Analysis Number: GJT012 Lab Number: PLUME#35Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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CL		150000.	UGL			
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F	LT	10000.	UGL			
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SO4		110000.	UGL			
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Method: MM8AAnalysis Number: GPV008 Lab Number: PLUME#35Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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ALDRN	LT	0.0830	UGL			
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CL6CP	LT	0.0830	UGL			
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CLDAN	LT	0.152	UGL			
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DLDRN		0.122	UGL	C		
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ENDRN		0.206	UGL	C		
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ISODR	LT	0.0560	UGL			
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PPDDE	LT	0.0460	UGL			
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PPDDT	LT	0.0590	UGL			
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Final Data Report for MKE Sampling Programs

Site Identification: WELL 01587

Sample Date: 11/14/89

Depth(ft): 0.0 Sampling Technique: B

Method: UU8

Analysis Number: GSM003 Lab Number: PLUME#35

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD		15.	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD		36.	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL	N		10.000
CD2CL2		12.	UGL	N		10.000
ETBD10		9.4	UGL	N		10.000

Method: UU8

Analysis Number: GSM007 Lab Number: PLUME#38

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	47.	UGL		N		40.000
112TCE	40.	UGL		N		40.000
11DCLE	47.	UGL		N		40.000
12DCD4	39.	UGL		N		40.000
12DCE	45.	UGL		N		40.000
12DCLE	46.	UGL		N		40.000
13DMB	20.	UGL		N		20.000
BCHPD	47.	UGL		N		40.000
C6H6	40.	UGL		N		40.000
CCL4	47.	UGL		N		40.000
CD2CL2	46.	UGL		N		40.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01587Sample Date: 11/14/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSM007 Lab Number: PLUME#38

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CH2CL2	47.	UGL	R	N	40.000
CHCL3	45.	UGL		N	40.000
CLC6H5	38.	UGL		N	40.000
DBCP	38.	UGL		N	40.000
DCPD	34.	UGL		N	40.000
DMDS	46.	UGL		N	40.000
ETBD10	40.	UGL		N	40.000
ETC6H5	40.	UGL		N	40.000
MEC6H5	36.	UGL		N	40.000
MIBK	38.	UGL		N	40.000
TCLEE	42.	UGL		N	40.000
TRCLE	40.	UGL		N	40.000
XYLEN	61.	UGL		N	60.000

Method: WW8Analysis Number: GWJ012 Lab Number: PLUME#35

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
HG	LT 0.500	UGL			

Method: PP8AAnalysis Number: QBB008 Lab Number: PLUME#35

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
BTZ	LT 1.14	UGL			
CPMS	LT 1.08	UGL			
CPMSO	LT 1.98	UGL			
CPMSO2	LT 2.24	UGL			
DITH	LT 3.34	UGL			
DMDS	LT 1.16	UGL			
OXAT	LT 1.35	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01588Sample Date: 11/14/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGX013 Lab Number: PLUME#36

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT 10.1	UGL				
DMMP	LT 16.3	UGL				

Method: QQ8Analysis Number: GGX014 Lab Number: PLUME#37

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT 10.1	UGL	D			
DMMP	LT 16.3	UGL	D			

Method: VV8Analysis Number: GHW028 Lab Number: PLUME#36

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT 2.50	UGL				

Method: NN8Analysis Number: GJT013 Lab Number: PLUME#36

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL	170000.	UGL				
F	LT 10000.	UGL				
SO4	110000.	UGL				

Method: NN8Analysis Number: GJT014 Lab Number: PLUME#37

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL	170000.	UGL	D			
F	LT 10000.	UGL	D			
SO4	1200000.	UGL	D			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01588Sample Date: 11/14/89Depth(ft): 0.0 Sampling Technique: BMethod: MM8AAnalysis Number: GPV010 Lab Number: PLUME#37

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT	0.0830	UGL	D			
CL6CP	LT	0.0830	UGL	D			
CLDAN	LT	0.152	UGL	D			
DLDRN		0.721	UGL	D			
ENDRN		0.119	UGL	D			
ISODR	LT	0.0560	UGL	D			
PPDDE		0.224	UGL	D			
PPDDT	LT	0.0590	UGL	D			

Method: MM8AAnalysis Number: GPV009 Lab Number: PLUME#36

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT	0.0830	UGL				
CL6CP	LT	0.0830	UGL				
CLDAN	LT	0.152	UGL				
DLDRN		0.755	UGL	C			
ENDRN		0.121	UGL	C			
ISODR	LT	0.0560	UGL				
PPDDE		0.204	UGL	C			
PPDDT	LT	0.0590	UGL				

Method: UU8Analysis Number: GSM004 Lab Number: PLUME#36

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB		15.	UGL				
BCHPD		400.	UGL				
C6H6		30000.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				

Final Data Report for MKE Sampling Programs

Site Identification: WELL 01588

Sample Date: 11/14/89

Depth(ft): 0.0 Sampling Technique: B

Method: UU8

Analysis Number: GSM004 Lab Number: PLUME#36

Test Name	Corrected Value	Units	FC	QC	QC	Spike
DBCP	LT 5.6	UGL				
DCPD	500.	UGL				
DMDS	LT 3.7	UGL				
ETC6H5	LT 2.4	UGL				
MEC6H5	5.8	UGL				
MIBK	LT 1.2	UGL				
TCLEE	LT 2.9	UGL				
TRCLE	LT 2.0	UGL				
XYLEN	72.	UGL				
12DCD4	12.	UGL		N		10.000
CD2CL2	11.	UGL		N		10.000
ETBD10	LT 2.3	UGL		N		10.000

Method: UU8

Analysis Number: GSM005 Lab Number: PLUME#37

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT 2.4	UGL	D			
112TCE	LT 1.6	UGL	D			
11DCLE	LT 1.4	UGL	D			
12DCE	LT 3.2	UGL	D			
12DCLE	LT 0.72	UGL	D			
13DMB	14.	UGL	D			
BCHPD	500.	UGL	D			
C6H6	20000.	UGL	D			
CCL4	LT 4.9	UGL	D			
CH2CL2	ND 5.0	UGL	R			
CHCL3	LT 1.7	UGL	D			
CLC6H5	LT 1.8	UGL	D			
DBCP	LT 5.6	UGL	D			
DCPD	700.	UGL	D			
DMDS	LT 3.7	UGL	D			
ETC6H5	LT 2.4	UGL	D			
MEC6H5	5.8	UGL	D			
MIBK	LT 1.2	UGL	D			
TCLEE	LT 2.9	UGL	D			
TRCLE	LT 2.0	UGL	D			
XYLEN	68.	UGL	D			
12DCD4	11.	UGL	D	N		10.000
CD2CL2	7.2	UGL	D	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01588Sample Date: 11/14/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSM005 Lab Number: PLUME#37Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
ETBD10	LT	2.3	UGL	D N	10.000

Method: UU8Analysis Number: GSM006 Lab Number: PLUME#39Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4	11.	UGL		N	10.000
CD2CL2	11.	UGL		N	10.000
ETBD10	10.	UGL		N	10.000
111TCE	LT	2.4	UGL	T	
112TCE	LT	1.6	UGL	T	
11DCLE	LT	1.4	UGL	T	
12DCE	LT	3.2	UGL	T	
12DCLE	LT	0.72	UGL	T	
13DMB	LT	2.9	UGL	T	
BCHPD	LT	1.8	UGL	T	
C6H6	LT	2.7	UGL	T	
CCL4	LT	4.9	UGL	T	
CH2CL2	ND	5.0	UGL	R T	
CHCL3	LT	1.7	UGL	T	
CLC6H5	LT	1.8	UGL	T	
DBCP	LT	5.6	UGL	T	
DCPD	LT	3.7	UGL	T	
DMDS	LT	3.7	UGL	T	
ETC6H5	LT	2.4	UGL	T	
MEC6H5	LT	3.5	UGL	T	
MIBK	LT	1.2	UGL	T	
TCLEE	LT	2.9	UGL	T	
TRCLE	LT	2.0	UGL	T	
XYLEN	LT	2.4	UGL	T	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 01588Sample Date: 11/14/89Depth(ft): 0.0 Sampling Technique: BMethod: WW8Analysis Number: GWJ013 Lab Number: PLUME#36

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
HG	LT 0.500	UGL				

Method: PP8AAnalysis Number: QBB010 Lab Number: PLUME#37

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT 1.14	UGL	D			
CPMS	LT 1.08	UGL	D			
CPMSO	LT 1.98	UGL	D			
CPMSO2	LT 2.24	UGL	D			
DITH	LT 3.34	UGL	D			
DMDS	LT 1.16	UGL	D			
OXAT	LT 1.35	UGL	D			

Method: PP8AAnalysis Number: QBB009 Lab Number: PLUME#36

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT 1.14	UGL				
CPMS	LT 1.08	UGL				
CPMSO	LT 1.98	UGL				
CPMSO2	LT 2.24	UGL				
DITH	LT 3.34	UGL				
DMDS	LT 1.16	UGL				
OXAT	LT 1.35	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02001Sample Date: 11/07/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSJ010 Lab Number: -PLUME#8

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		8.1	UGL		N	10.000
CD2CL2		13.	UGL		N	10.000
ETBD10		8.5	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	
C6H6	LT	2.7	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW011 Lab Number: -PLUME#9

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
DIMP	LT	10.1	UGL			
DMMP	LT	16.3	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02001Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: VV8Analysis Number: GHW011 Lab Number: -PLUME#9

Test

Name	Corrected Value	Units	FC	QC	QC	Spike
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AS	120.	UGL				
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Method: PP8AAnalysis Number: GIZ011 Lab Number: -PLUME#9

Test

Name	Corrected Value	Units	FC	QC	QC	Spike
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BTZ	LT	1.14	UGL			
CPMS	LT	1.08	UGL			
CPMSO	LT	1.98	UGL			
CPMSO2	LT	2.24	UGL			
DITH	LT	3.34	UGL			
DMDS	LT	1.16	UGL			
OXAT	LT	1.35	UGL			

Method: NN8Analysis Number: GJS011 Lab Number: -PLUME#9

Test

Name	Corrected Value	Units	FC	QC	QC	Spike
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CL		91000.	UGL			
F	LT	10000.	UGL			
SO4		160000.	UGL			

Method: MM8AAnalysis Number: GPT011 Lab Number: -PLUME#9

Test

Name	Corrected Value	Units	FC	QC	QC	Spike
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ALDRN	LT	0.0830	UGL			
CL6CP	LT	0.0830	UGL			
CLDAN		0.876	UGL	C		
DLDRN		1.72	UGL	C		
ENDRN	LT	0.0600	UGL			
ISODR	LT	0.0560	UGL			
PPDDE	LT	0.0460	UGL			
PPDDT	LT	0.0590	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02001Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSJ011 Lab Number: -PLUME#9

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6		2.9	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5		4.3	UGL			
MIBK	LT	1.2	UGL			
TCLEE		3.2	UGL			
TRCLE	LT	2.0	UGL			
XYLEN		3.1	UGL			
12DCD4		9.9	UGL	N		10.000
CD2CL2		11.	UGL	N		10.000
ETBD10		9.7	UGL	N		10.000

Method: WW8Analysis Number: GWI011 Lab Number: -PLUME#9

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
HG	LT	0.500	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02023Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW012 Lab Number: PLUME#10

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT	10.1	UGL			
DMMP	LT	16.3	UGL			

Method: VV8Analysis Number: GHW012 Lab Number: PLUME#10

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT	2.50	UGL			

Method: PP8AAnalysis Number: GIZ012 Lab Number: PLUME#10

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT	1.14	UGL			
CPMS	LT	1.08	UGL			
CPMSO	LT	1.98	UGL			
CPMSO2	LT	2.24	UGL			
DITH	LT	3.34	UGL			
DMDS	LT	1.16	UGL			
OXAT	LT	1.35	UGL			

Method: NN8Analysis Number: GJS012 Lab Number: PLUME#10

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL		120000.	UGL			
F	LT	10000.	UGL			
SO4		280000.	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02023Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: MM8AAnalysis Number: GPT012 Lab Number: PLUME#10

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
ALDRN	LT	0.0830	UGL			
CL6CP	LT	0.0830	UGL			
CLDAN	LT	0.152	UGL			
DLDRN		0.156	UGL	C		
ENDRN		0.389	UGL	C		
ISODR	LT	0.0560	UGL			
PPDDE	LT	0.0460	UGL			
PPDDT	LT	0.0590	UGL			

Method: UU8Analysis Number: GSJ012 Lab Number: PLUME#10

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		9.3	UGL	N		10.000
CD2CL2		14.	UGL	N		10.000
ETBD10		9.8	UGL	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02023Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: WW8Analysis Number: GWI012 Lab Number: PLUME#10

Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
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HG	LT	0.500	UGL		
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Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02034Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW013 Lab Number: PLUME#11Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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DIMP	LT	10.1	UGL			
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DMMP	LT	16.3	UGL			
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Method: VV8Analysis Number: GHW013 Lab Number: PLUME#11Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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AS	LT	2.50	UGL			
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Method: PP8AAnalysis Number: GIZ013 Lab Number: PLUME#11Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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BTZ	LT	1.14	UGL			
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CPMS	LT	1.08	UGL			
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CPMSO	LT	1.98	UGL			
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CPMSO2	LT	2.24	UGL			
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DITH	LT	3.34	UGL			
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DMDS	LT	1.16	UGL			
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OXAT	LT	1.35	UGL			
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Method: NN8Analysis Number: GJS013 Lab Number: PLUME#11Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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CL		130000.	UGL			
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F	LT	10000.	UGL			
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SO4		160000.	UGL			
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Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02034Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: MM8AAnalysis Number: GPT013 Lab Number: PLUME#11

Test Name		Corrected Value	Units	FC	QC	QC	Spike
ALDRN	LT	0.0830	UGL				
CL6CP	LT	0.0830	UGL				
CLDAN	LT	0.152	UGL				
DLDRN		0.123	UGL	C			
ENDRN	LT	0.0600	UGL				
ISODR		0.161	UGL	C			
PPDDE	LT	0.0460	UGL				
PPDDT	LT	0.0590	UGL				

Method: UU8Analysis Number: GSI003 Lab Number: PLUME#11

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		3.1	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3		10.	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		9.4	UGL		N		10.000
CD2CL2		12.	UGL		N		10.000
ETBD10		9.2	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02034Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: WW8Analysis Number: GWI013 Lab Number: PLUME#11

<u>Test</u> <u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
HG	LT	0.500	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02504Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW016 Lab Number: PLUME#15

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT 10.1	UGL				
DMMP	LT 16.3	UGL				

Method: VV8Analysis Number: GHW016 Lab Number: PLUME#15

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT 2.50	UGL				

Method: NN8Analysis Number: GJS016 Lab Number: PLUME#15

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL	1700000.	UGL				
F	LT 10000.	UGL				
SO4	75000.	UGL				

Method: NN8Analysis Number: GJS020 Lab Number: PLUME#19

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL	1700000.	UGL	D			
F	LT 10000.	UGL	D			
SO4	72000.	UGL	D			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02504Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: MM8AAnalysis Number: GPU005 Lab Number: PLUME#15

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
ALDRN	LT	0.0830	UGL			
CL6CP	LT	0.0830	UGL			
CLDAN	LT	0.152	UGL			
DLDRN	LT	0.0539	UGL			
ENDRN	LT	0.0600	UGL			
ISODR	LT	0.0560	UGL			
PPDDE	LT	0.0460	UGL			
PPDDT	LT	0.0590	UGL			

Method: UU8Analysis Number: GSI011 Lab Number: PLUME#20

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL	D		
112TCE	LT	1.6	UGL	D		
11DCLE		53.	UGL	D		
12DCE		12.	UGL	D		
12DCLE	LT	0.72	UGL	D		
13DMB	LT	2.9	UGL	D		
BCHPD	LT	1.8	UGL	D		
C6H6		90.	UGL	D		
CCL4	LT	4.9	UGL	D		
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL	D		
CLC6H5		14.	UGL	D		
DBCP	LT	5.6	UGL	D		
DCPD	LT	3.7	UGL	D		
DMDS	LT	3.7	UGL	D		
ETC6H5	LT	2.4	UGL	D		
MEC6H5	LT	3.5	UGL	D		
MIBK	LT	1.2	UGL	D		
TCLEE	LT	2.9	UGL	D		
TRCLE	LT	2.0	UGL	D		
XYLEN	LT	2.4	UGL	D		
12DCD4		9.2	UGL	D	N	10.000
CD2CL2		12.	UGL	D	N	10.000
ETBD10		9.0	UGL	D	N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02504Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSI007 Lab Number: PLUME#15

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		57.	UGL				
12DCE		12.	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6		70.	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5		14.	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		11.	UGL		N		10.000
CD2CL2		12.	UGL		N		10.000
ETBD10		10.	UGL		N		10.000

Method: UU8Analysis Number: GSL003 Lab Number: PLUME#21

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL		F		
112TCE	LT	1.6	UGL		F		
11DCLE	LT	1.4	UGL		F		
12DCE	LT	3.2	UGL		F		
12DCLE	LT	0.72	UGL		F		
13DMB	LT	2.9	UGL		F		
BCHPD	LT	1.8	UGL		F		
C6H6	LT	2.7	UGL		F		
CCL4	LT	4.9	UGL		F		
CH2CL2	ND	5.0	UGL	R	F		
CHCL3	LT	1.7	UGL		F		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02504Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSL003 Lab Number: PLUME#21

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CLC6H5	LT	1.8	UGL	F	
DBCP	LT	5.6	UGL	F	
DCPD	LT	3.7	UGL	F	
DMDS	LT	3.7	UGL	F	
ETC6H5	LT	2.4	UGL	F	
MEC6H5	LT	3.5	UGL	F	
MIBK	LT	1.2	UGL	F	
TCLEE	LT	2.9	UGL	F	
TRCLE	LT	2.0	UGL	F	
XYLEN	LT	2.4	UGL	F	
12DCD4		11.	UGL	N	10.000
CD2CL2		13.	UGL	N	10.000
ETBD10		11.	UGL	N	10.000

Method: WW8Analysis Number: GWI016 Lab Number: PLUME#15

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
HG	LT	0.500	UGL		

Method: PP8AAnalysis Number: QBA005 Lab Number: PLUME#15

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
BTZ	LT	1.14	UGL		
CPMS	LT	1.08	UGL		
CPMSO	LT	1.98	UGL		
CPMSO2	LT	2.24	UGL		
DITH	LT	3.34	UGL		
DMDS	LT	1.16	UGL		
OXAT	LT	1.35	UGL		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02505Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW017 Lab Number: PLUME#16

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT 10.1	UGL				
DMMP	LT 16.3	UGL				

Method: VV8Analysis Number: GHW017 Lab Number: PLUME#16

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT 2.50	UGL				

Method: NN8Analysis Number: GJS017 Lab Number: PLUME#16

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL	1800000.	UGL				
F	LT 10000.	UGL				
SO4	83000.	UGL				

Method: MM8AAnalysis Number: GPU006 Lab Number: PLUME#16

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT 0.0830	UGL				
CL6CP	LT 0.0830	UGL				
CLDAN	LT 0.152	UGL				
DLDRN	LT 0.0539	UGL				
ENDRN	LT 0.0600	UGL				
ISODR	LT 0.0560	UGL				
PPDDE	LT 0.0460	UGL				
PPDDT	LT 0.0590	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02505Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: MM8AAnalysis Number: GPU009 Lab Number: PLUME#23

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
ALDRN	LT	0.0830	UGL		R	
CL6CP	LT	0.0830	UGL		R	
CLDAN	LT	0.152	UGL		R	
DLDRN	LT	0.0539	UGL		R	
ENDRN	LT	0.0600	UGL		R	
ISODR	LT	0.0560	UGL		R	
PPDDE	LT	0.0460	UGL		R	
PPDDT	LT	0.0590	UGL		R	

Method: UU8Analysis Number: GSI008 Lab Number: PLUME#16

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		68.	UGL			
12DCE		17.	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		97.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		9.5	UGL		N	10.000
CD2CL2		12.	UGL		N	10.000
ETBD10		9.3	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02505Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSL004 Lab Number: PLUME#22

Test Name		Corrected Value	Units	FC	QC	QC Spike
12DCD4		10.	UGL		N	10.000
CD2CL2		12.	UGL		N	10.000
ETBD10		10.	UGL		N	10.000
111TCE	LT	2.4	UGL		R	
112TCE	LT	1.6	UGL		R	
11DCLE	LT	1.4	UGL		R	
12DCE	LT	3.2	UGL		R	
12DCLE	LT	0.72	UGL		R	
13DMB	LT	2.9	UGL		R	
BCHPD	LT	1.8	UGL		R	
C6H6	LT	2.7	UGL		R	
CCL4	LT	4.9	UGL		R	
CH2CL2	ND	5.0	UGL	R	R	
CHCL3	LT	1.7	UGL		R	
CLC6H5	LT	1.8	UGL		R	
DBCP	LT	5.6	UGL		R	
DCPD	LT	3.7	UGL		R	
DMDS	LT	3.7	UGL		R	
ETC6H5	LT	2.4	UGL		R	
MEC6H5	LT	3.5	UGL		R	
MIBK	LT	1.2	UGL		R	
TCLEE	LT	2.9	UGL		R	
TRCLE	LT	2.0	UGL		R	
XYLEN	LT	2.4	UGL		R	

Method: WW8Analysis Number: GWI017 Lab Number: PLUME#16

Test Name		Corrected Value	Units	FC	QC	QC Spike
HG	LT	0.500	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02505Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: PP8AAnalysis Number: QBA006 Lab Number: PLUME#16

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
BTZ	LT 1.14	UGL			
CPMS	LT 1.08	UGL			
CPMSO	LT 1.98	UGL			
CPMSO2	LT 2.24	UGL			
DITH	LT 3.34	UGL			
DMDS	LT 1.16	UGL			
OXAT	LT 1.35	UGL			

Method: PP8AAnalysis Number: QBA009 Lab Number: PLUME#23

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
BTZ	LT 1.14	UGL		R	
CPMS	LT 1.08	UGL		R	
CPMSO	LT 1.98	UGL		R	
CPMSO2	LT 2.24	UGL		R	
DITH	LT 3.34	UGL		R	
DMDS	LT 1.16	UGL		R	
OXAT	LT 1.35	UGL		R	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02506Sample Date: 11/06/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW005 Lab Number: -PLUME#1

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT	10.1	UGL				
DMMP	LT	16.3	UGL				

Method: VV8Analysis Number: GHW005 Lab Number: -PLUME#1

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT	2.50	UGL				

Method: PP8AAnalysis Number: GIZ005 Lab Number: -PLUME#1

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT	1.14	UGL				
CPMS	LT	1.08	UGL				
CPMSO	LT	1.98	UGL				
CPMSO2	LT	2.24	UGL				
DITH	LT	3.34	UGL				
DMDS	LT	1.16	UGL				
OXAT	LT	1.35	UGL				

Method: NN8Analysis Number: GJS005 Lab Number: -PLUME#1

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL		1400000.	UGL				
F	LT	10000.	UGL				
SO4		110000.	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02506Sample Date: 11/06/89Depth(ft): 0.0 Sampling Technique: BMethod: MM8AAnalysis Number: GPT005 Lab Number: -PLUME#1

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT	0.0830	UGL				
CL6CP	LT	0.0830	UGL				
CLDAN	LT	0.152	UGL				
DLDRN	LT	0.0539	UGL				
ENDRN	LT	0.0600	UGL				
ISODR	LT	0.0560	UGL				
PPDDE	LT	0.0460	UGL				
PPDDT	LT	0.0590	UGL				

Method: UU8Analysis Number: GSJ003 Lab Number: -PLUME#1

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		59.	UGL				
12DCE		13.	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3		170.	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE		2.4	UGL				
TRCLE		3.4	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		9.7	UGL	N		10.000	
CD2CL2		13.	UGL	N		10.000	
ETBD10		9.6	UGL	N		10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02506Sample Date: 11/06/89Depth(ft): 0.0 Sampling Technique: BMethod: WW8Analysis Number: GWI005 Lab Number: -PLUME#1

<u>Test</u> <u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
HG	LT 0.500	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02507Sample Date: 11/06/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW006 Lab Number: -PLUME#2Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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DIMP	LT	10.1	UGL			
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DMMP	LT	16.3	UGL			
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Method: VV8Analysis Number: GHW006 Lab Number: -PLUME#2Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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AS	LT	2.50	UGL			
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Method: PP8AAnalysis Number: GIZ006 Lab Number: -PLUME#2Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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BTZ	LT	1.14	UGL			
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CPMS	LT	1.08	UGL			
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CPMSO	LT	1.98	UGL			
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CPMSO2	LT	2.24	UGL			
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DITH	LT	3.34	UGL			
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DMDS	LT	1.16	UGL			
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OXAT	LT	1.35	UGL			
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Method: NN8Analysis Number: GJS006 Lab Number: -PLUME#2Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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CL		1500000.	UGL			
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F	LT	10000.	UGL			
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SO4		58000.	UGL			
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Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02507Sample Date: 11/06/89Depth(ft): 0.0 Sampling Technique: BMethod: MM8AAnalysis Number: GPT006 Lab Number: -PLUME#2

Test Name		Corrected Value	Units	FC	QC	QC	Spike
ALDRN	LT	0.0830	UGL				
CL6CP	LT	0.0830	UGL				
CLDAN	LT	0.152	UGL				
DLDRN	LT	0.0539	UGL				
ENDRN	LT	0.0600	UGL				
ISODR	LT	0.0560	UGL				
PPDDE	LT	0.0460	UGL				
PPDDT	LT	0.0590	UGL				

Method: UU8Analysis Number: GSJ004 Lab Number: -PLUME#2

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		24.	UGL				
12DCE		6.1	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3		160.	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		9.2	UGL		N		10.000
CD2CL2		13.	UGL		N		10.000
ETBD10		8.5	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02507Sample Date: 11/06/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSJ006 Lab Number: -PLUME#4

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
12DCD4		11.	UGL		N	10.000
CD2CL2		14.	UGL		N	10.000
ETBD10		0.00	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	
C6H6	LT	2.7	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE		6.3	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Method: WW8Analysis Number: GWI006 Lab Number: -PLUME#2

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
HG	LT	0.500	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02509Sample Date: 11/07/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW008 Lab Number: -PLUME#5

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT 10.1	UGL				
DMMP	LT 16.3	UGL				

Method: VV8Analysis Number: GHW008 Lab Number: -PLUME#5

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT 2.50	UGL				

Method: PP8AAnalysis Number: GIZ008 Lab Number: -PLUME#5

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT 1.14	UGL				
CPMS	LT 1.08	UGL				
CPMSO	LT 1.98	UGL				
CPMSO2	LT 2.24	UGL				
DITH	LT 3.34	UGL				
DMDS	LT 1.16	UGL				
OXAT	LT 1.35	UGL				

Method: NN8Analysis Number: GJS008 Lab Number: -PLUME#5

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL	49000.	UGL				
F	LT 10000.	UGL				
SO4	80000.	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02509Sample Date: 11/07/89Depth(ft): 0.0 Sampling Technique: BMethod: MM8AAnalysis Number: GPT008 Lab Number: -PLUME#5Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT	0.0830	UGL				
CL6CP	LT	0.0830	UGL				
CLDAN	LT	0.152	UGL				
DLDRN		0.511	UGL	C			
ENDRN		1.03	UGL	C			
ISODR	LT	0.0560	UGL				
PPDDE	LT	0.0460	UGL				
PPDDT	LT	0.0590	UGL				

Method: UU8Analysis Number: GSJ007 Lab Number: -PLUME#5Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		10.	UGL		N		10.000
CD2CL2		12.	UGL		N		10.000
ETBD10		11.	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02509Sample Date: 11/07/89Depth(ft): 0.0 Sampling Technique: BMethod: WW8Analysis Number: GWI008 Lab Number: -PLUME#5

Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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HG	LT	0.500	UGL			
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Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02511Sample Date: 11/06/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GW007 Lab Number: -PLUME#3Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT	10.1	UGL				
DMMP	LT	16.3	UGL				

Method: VV8Analysis Number: GHW007 Lab Number: -PLUME#3Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT	2.50	UGL				

Method: PP8AAnalysis Number: GIZ007 Lab Number: -PLUME#3Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT	1.14	UGL				
CPMS	LT	1.08	UGL				
CPMSO	LT	1.98	UGL				
CPMSO2	LT	2.24	UGL				
DITH	LT	3.34	UGL				
DMDS	LT	1.16	UGL				
OXAT	LT	1.35	UGL				

Method: NN8Analysis Number: GJS007 Lab Number: -PLUME#3Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL		110000.	UGL				
F	LT	10000.	UGL				
SO4		90000.	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02511Sample Date: 11/06/89Depth(ft): 0.0 Sampling Technique: BMethod: MM8AAnalysis Number: GPT007 Lab Number: -PLUME#3

Test Name		Corrected Value	Units	FC	QC	QC	Spike
ALDRN	LT	0.0830	UGL				
CL6CP	LT	0.0830	UGL				
CLDAN	LT	0.152	UGL				
DLDRN	LT	0.0539	UGL				
ENDRN	LT	0.0600	UGL				
ISODR	LT	0.0560	UGL				
PPDDE	LT	0.0460	UGL				
PPDDT	LT	0.0590	UGL				

Method: UU8Analysis Number: GSJ005 Lab Number: -PLUME#3

Test Name		Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3	LT	1.7	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		11.	UGL		N		10.000
CD2CL2		12.	UGL		N		10.000
ETBD10		10.	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02511Sample Date: 11/06/89Depth(ft): 0.0 Sampling Technique: BMethod: WW8Analysis Number: GWI007 Lab Number: -PLUME#3Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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HG	LT	0.500	UGL			
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Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02513Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW018 Lab Number: PLUME#17

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT 10.1	UGL				
DMMP	LT 16.3	UGL				

Method: VV8Analysis Number: GHW018 Lab Number: PLUME#17

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT 2.50	UGL				

Method: NN8Analysis Number: GJS018 Lab Number: PLUME#17

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL	1600000.	UGL				
F	LT 10000.	UGL				
SO4	59000.	UGL				

Method: MM8AAnalysis Number: GPU007 Lab Number: PLUME#17

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT 0.0830	UGL				
CL6CP	LT 0.0830	UGL				
CLDAN	LT 0.152	UGL				
DLDRN	LT 0.0539	UGL				
ENDRN	LT 0.0600	UGL				
ISODR	LT 0.0560	UGL				
PPDDE	LT 0.0460	UGL				
PPDDT	LT 0.0590	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02513Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSI009 Lab Number: PLUME#17

Test Name	Corrected Value	Units	FC	QC	QC Spike
111TCE	LT	2.4	UGL		
112TCE		2.0	UGL		
11DCLE		38.	UGL		
12DCE		12.	UGL		
12DCLE	LT	0.72	UGL		
13DMB	LT	2.9	UGL		
BCHPD	LT	1.8	UGL		
C6H6	LT	2.7	UGL		
CCL4		29.	UGL		
CH2CL2	ND	5.0	UGL	R	
CHCL3		500.	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		9.5	UGL	N	10.000
CD2CL2		13.	UGL	N	10.000
ETBD10		9.6	UGL	N	10.000

Method: WW8Analysis Number: GWI018 Lab Number: PLUME#17

Test Name	Corrected Value	Units	FC	QC	QC Spike
HG	LT	0.500	UGL		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02513Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: PP8AAnalysis Number: QBA007 Lab Number: PLUME#17

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT	1.14	UGL				
CPMS	LT	1.08	UGL				
CPMSO	LT	1.98	UGL				
CPMSO2	LT	2.24	UGL				
DITH	LT	3.34	UGL				
DMDS	LT	1.16	UGL				
OXAT	LT	1.35	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02514Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW019 Lab Number: PLUME#18Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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DIMP	LT	10.1	UGL			
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DMMP	LT	16.3	UGL			
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Method: VV8Analysis Number: GHW019 Lab Number: PLUME#18Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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AS	LT	2.50	UGL			
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Method: NN8Analysis Number: GJS019 Lab Number: PLUME#18Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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CL		700000.	UGL			
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F	LT	10000.	UGL			
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SO4	LT	50000.	UGL			
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Method: MM8AAnalysis Number: GPU008 Lab Number: PLUME#18Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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ALDRN	LT	0.0830	UGL			
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CL6CP	LT	0.0830	UGL			
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CLDAN	LT	0.152	UGL			
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DLDRN		0.199	UGL	C		
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ENDRN		0.331	UGL	C		
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ISODR	LT	0.0560	UGL			
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PPDDE	LT	0.0460	UGL			
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PPDDT	LT	0.0590	UGL			
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Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02514Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSI010 Lab Number: PLUME#18

Test Name	Corrected Value	Units	FC	QC	QC	Spike
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		5.1	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		110.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL	N		10.000
CD2CL2		12.	UGL	N		10.000
ETBD10		9.6	UGL	N		10.000

Method: UU8Analysis Number: GSL005 Lab Number: PLUME#24

Test Name	Corrected Value	Units	FC	QC	QC	Spike
12DCD4		12.	UGL	N		10.000
CD2CL2		12.	UGL	N		10.000
ETBD10		11.	UGL	N		10.000
111TCE	LT	2.4	UGL	T		
112TCE	LT	1.6	UGL	T		
11DCLE	LT	1.4	UGL	T		
12DCE	LT	3.2	UGL	T		
12DCLE	LT	0.72	UGL	T		
13DMB	LT	2.9	UGL	T		
BCHPD	LT	1.8	UGL	T		
C6H6	LT	2.7	UGL	T		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02514Sample Date: 11/09/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSL005 Lab Number: PLUME#24

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Method: WW8Analysis Number: GWI019 Lab Number: PLUME#18

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
HG	LT	0.500	UGL			

Method: PP8AAnalysis Number: QBA008 Lab Number: PLUME#18

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
BTZ	LT	1.14	UGL			
CPMS	LT	1.08	UGL			
CPMSO	LT	1.98	UGL			
CPMSO2	LT	2.24	UGL			
DITH	LT	3.34	UGL			
DMDS	LT	1.16	UGL			
OXAT	LT	1.35	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02515Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW014 Lab Number: PLUME#12

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
DIMP	LT 10.1	UGL			
DMMP	LT 16.3	UGL			

Method: VV8Analysis Number: GHW014 Lab Number: PLUME#12

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
AS	LT 2.50	UGL			

Method: PP8AAnalysis Number: GIZ014 Lab Number: PLUME#12

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
BTZ	LT 1.14	UGL			
CPMS	LT 1.08	UGL			
CPMSO	LT 1.98	UGL			
CPMSO2	LT 2.24	UGL			
DITH	LT 3.34	UGL			
DMDS	LT 1.16	UGL			
OXAT	LT 1.35	UGL			

Method: NN8Analysis Number: GJS014 Lab Number: PLUME#12

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CL	LT 32000.	UGL			
F	LT 10000.	UGL			
SO4	290000.	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02515Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: MM8AAnalysis Number: GPT014 Lab Number: PLUME#12

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
ALDRN	LT	0.0830	UGL			
CL6CP	LT	0.0830	UGL			
CLDAN	LT	0.152	UGL			
DLDRN	LT	0.0539	UGL			
ENDRN	LT	0.0600	UGL			
ISODR	LT	0.0560	UGL			
PPDDE	LT	0.0460	UGL			
PPDDT	LT	0.0590	UGL			

Method: UU8Analysis Number: GSI004 Lab Number: PLUME#12

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE		7.1	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		59.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		10.	UGL		N	10.000
CD2CL2		12.	UGL		N	10.000
ETBD10		9.8	UGL		N	10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02515Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSI006 Lab Number: PLUME#14

Test Name		Corrected Value	Units	FC	QC	QC Spike
12DCD4		9.9	UGL		N	10.000
CD2CL2		11.	UGL		N	10.000
ETBD10		9.4	UGL		N	10.000
111TCE	LT	2.4	UGL		T	
112TCE	LT	1.6	UGL		T	
11DCLE	LT	1.4	UGL		T	
12DCE	LT	3.2	UGL		T	
12DCLE	LT	0.72	UGL		T	
13DMB	LT	2.9	UGL		T	
BCHPD	LT	1.8	UGL		T	
C6H6	LT	2.7	UGL		T	
CCL4	LT	4.9	UGL		T	
CH2CL2	ND	5.0	UGL	R	T	
CHCL3	LT	1.7	UGL		T	
CLC6H5	LT	1.8	UGL		T	
DBCP	LT	5.6	UGL		T	
DCPD	LT	3.7	UGL		T	
DMDS	LT	3.7	UGL		T	
ETC6H5	LT	2.4	UGL		T	
MEC6H5	LT	3.5	UGL		T	
MIBK	LT	1.2	UGL		T	
TCLEE	LT	2.9	UGL		T	
TRCLE	LT	2.0	UGL		T	
XYLEN	LT	2.4	UGL		T	

Method: WW8Analysis Number: GWI014 Lab Number: PLUME#12

Test Name		Corrected Value	Units	FC	QC	QC Spike
HG	LT	0.500	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02516Sample Date: 11/07/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW009 Lab Number: -PLUME#6

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT 10.1	UGL				
DMMP	LT 16.3	UGL				

Method: VV8Analysis Number: GHW009 Lab Number: -PLUME#6

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	4.90	UGL				

Method: PP8AAnalysis Number: GIZ009 Lab Number: -PLUME#6

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT 1.14	UGL				
CPMS	LT 1.08	UGL				
CPMSO	LT 1.98	UGL				
CPMSO2	LT 2.24	UGL				
DITH	LT 3.34	UGL				
DMDS	LT 1.16	UGL				
OXAT	LT 1.35	UGL				

Method: NN8Analysis Number: GJS009 Lab Number: -PLUME#6

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL	200000.	UGL				
F	LT 10000.	UGL				
SO4	200000.	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02516Sample Date: 11/07/89Depth(ft): 0.0 Sampling Technique: BMethod: MM8AAnalysis Number: GPT009 Lab Number: -PLUME#6

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT	0.0830	UGL				
CL6CP	LT	0.0830	UGL				
CLDAN		0.309	UGL	C			
DLDRN		0.639	UGL	C			
ENDRN	LT	0.0600	UGL				
ISODR	LT	0.0560	UGL				
PPDDE	LT	0.0460	UGL				
PPDDT	LT	0.0590	UGL				

Method: UU8Analysis Number: GSJ008 Lab Number: -PLUME#6

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE	LT	1.4	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3		16.	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE		5.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		11.	UGL		N		10.000
CD2CL2		13.	UGL		N		10.000
ETBD10		9.4	UGL		N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02516Sample Date: 11/07/89Depth(ft): 0.0 Sampling Technique: BMethod: WW8Analysis Number: GWI009 Lab Number: -PLUME#6Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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HG	LT	0.500	UGL			
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Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02517Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW015 Lab Number: PLUME#13

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
DIMP	LT 10.1	UGL			
DMMP	LT 16.3	UGL			

Method: VV8Analysis Number: GHW015 Lab Number: PLUME#13

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
AS	LT 2.50	UGL			

Method: PP8AAnalysis Number: GIZ015 Lab Number: PLUME#13

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
BTZ	LT 1.14	UGL			
CPMS	LT 1.08	UGL			
CPMSO	LT 1.98	UGL			
CPMSO2	5.88	UGL		C	
DITH	LT 3.34	UGL			
DMDS	LT 1.16	UGL			
OXAT	LT 1.35	UGL			

Method: NN8Analysis Number: GJS015 Lab Number: PLUME#13

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CL	95000.	UGL			
F	LT 10000.	UGL			
SO4	150000.	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02517Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: MM8AAnalysis Number: GPT015 Lab Number: PLUME#13

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
ALDRN	LT	0.0830	UGL			
CL6CP	LT	0.0830	UGL			
CLDAN	LT	0.152	UGL			
DLDRN	LT	0.0539	UGL			
ENDRN	LT	0.0600	UGL			
ISODR	LT	0.0560	UGL			
PPDDE		0.114	UGL	C		
PPDDT	LT	0.0590	UGL			

Method: UU8Analysis Number: GSI005 Lab Number: PLUME#13

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4		15.	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3		11.	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		9.6	UGL	N		10.000
CD2CL2		12.	UGL	N		10.000
ETBD10		9.1	UGL	N		10.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02517Sample Date: 11/08/89Depth(ft): 0.0 Sampling Technique: BMethod: WW8Analysis Number: GWI015 Lab Number: PLUME#13

Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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HG	LT	0.500	UGL			
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Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02518Sample Date: 11/07/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGW010 Lab Number: -PLUME#7Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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DIMP	LT	10.1	UGL			
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DMMP	LT	16.3	UGL			
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Method: VV8Analysis Number: GHW010 Lab Number: -PLUME#7Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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AS	LT	2.50	UGL			
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Method: PP8AAnalysis Number: GIZ010 Lab Number: -PLUME#7Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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BTZ	LT	1.14	UGL			
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CPMS	LT	1.08	UGL			
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CPMSO	LT	1.98	UGL			
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CPMSO2	LT	2.24	UGL			
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DITH	LT	3.34	UGL			
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DMDS	LT	1.16	UGL			
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OXAT	LT	1.35	UGL			
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Method: NN8Analysis Number: GJS010 Lab Number: -PLUME#7Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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CL		210000.	UGL			
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F	LT	10000.	UGL			
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SO4		250000.	UGL			
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Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02518Sample Date: 11/07/89Depth(ft): 0.0 Sampling Technique: BMethod: MM8AAnalysis Number: GPT010 Lab Number: -PLUME#7Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT	0.0830	UGL				
CL6CP	LT	0.0830	UGL				
CLDAN	LT	0.152	UGL				
DLDRN		0.101	UGL	C			
ENDRN	LT	0.0600	UGL				
ISODR	LT	0.0560	UGL				
PPDDE	LT	0.0460	UGL				
PPDDT	LT	0.0590	UGL				

Method: UU8Analysis Number: GSJ009 Lab Number: -PLUME#7Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		3.2	UGL				
12DCE	LT	3.2	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3		67.	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE		4.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		11.	UGL		N	10.000	
CD2CL2		12.	UGL		N	10.000	
ETBD10		11.	UGL		N	10.000	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02518Sample Date: 11/07/89Depth(ft): 0.0 Sampling Technique: BMethod: WW8Analysis Number: GWI010 Lab Number: -PLUME#7

<u>Test</u> <u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
HG	LT	0.500	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02577Sample Date: 11/10/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGX007 Lab Number: PLUME#28

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT 10.1	UGL				
DMMP	LT 16.3	UGL				

Method: VV8Analysis Number: GHW022 Lab Number: PLUME#28

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT 2.50	UGL				

Method: NN8Analysis Number: GJT007 Lab Number: PLUME#28

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL	860000.	UGL				
F	LT 10000.	UGL				
SO4	210000.	UGL				

Method: MM8AAnalysis Number: GPU012 Lab Number: PLUME#28

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT 0.0830	UGL				
CL6CP	LT 0.0830	UGL				
CLDAN	LT 0.152	UGL				
DLDRN	LT 0.0539	UGL				
ENDRN	LT 0.0600	UGL				
ISODR	LT 0.0560	UGL				
PPDDE	LT 0.0460	UGL				
PPDDT	LT 0.0590	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02577Sample Date: 11/10/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSL009 Lab Number: PLUME#28Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL				
112TCE	LT	1.6	UGL				
11DCLE		46.	UGL				
12DCE		9.7	UGL				
12DCLE	LT	0.72	UGL				
13DMB	LT	2.9	UGL				
BCHPD	LT	1.8	UGL				
C6H6	LT	2.7	UGL				
CCL4	LT	4.9	UGL				
CH2CL2	ND	5.0	UGL	R			
CHCL3		61.	UGL				
CLC6H5	LT	1.8	UGL				
DBCP	LT	5.6	UGL				
DCPD	LT	3.7	UGL				
DMDS	LT	3.7	UGL				
ETC6H5	LT	2.4	UGL				
MEC6H5	LT	3.5	UGL				
MIBK	LT	1.2	UGL				
TCLEE	LT	2.9	UGL				
TRCLE	LT	2.0	UGL				
XYLEN	LT	2.4	UGL				
12DCD4		10.	UGL		N	10.000	
CD2CL2		11.	UGL		N	10.000	
ETBD10		9.2	UGL		N	10.000	

Method: WW8Analysis Number: GWJ007 Lab Number: PLUME#28Test

<u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
HG	LT	0.500	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02577Sample Date: 11/10/89Depth(ft): 0.0 Sampling Technique: BMethod: PP8AAnalysis Number: QBA012 Lab Number: PLUME#28

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
BTZ	LT	1.14	UGL				
CPMS	LT	1.08	UGL				
CPMSO	LT	1.98	UGL				
CPMSO2	LT	2.24	UGL				
DITH	LT	3.34	UGL				
DMDS	LT	1.16	UGL				
OXAT	LT	1.35	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02585Sample Date: 11/10/89Depth(ft): 0.0 Sampling Technique: BMethod: QQ8Analysis Number: GGX008 Lab Number: PLUME#29

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
DIMP	LT	10.1	UGL				
DMMP	LT	16.3	UGL				

Method: VV8Analysis Number: GHW023 Lab Number: PLUME#29

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
AS	LT	2.50	UGL				

Method: NN8Analysis Number: GJT008 Lab Number: PLUME#29

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
CL		81000.	UGL				
F	LT	10000.	UGL				
SO4		84000.	UGL				

Method: MM8AAnalysis Number: GPU013 Lab Number: PLUME#29

<u>Test Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
ALDRN	LT	0.0830	UGL				
CL6CP	LT	0.0830	UGL				
CLDAN	LT	0.152	UGL				
DLDRN		0.0546	UGL	C			
ENDRN	LT	0.0600	UGL				
ISODR	LT	0.0560	UGL				
PPDDE	LT	0.0460	UGL				
PPDDT	LT	0.0590	UGL				

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02585Sample Date: 11/10/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSL010 Lab Number: PLUME#29

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	LT	2.4	UGL			
112TCE	LT	1.6	UGL			
11DCLE	LT	1.4	UGL			
12DCE	LT	3.2	UGL			
12DCLE	LT	0.72	UGL			
13DMB	LT	2.9	UGL			
BCHPD	LT	1.8	UGL			
C6H6	LT	2.7	UGL			
CCL4	LT	4.9	UGL			
CH2CL2	ND	5.0	UGL	R		
CHCL3	LT	1.7	UGL			
CLC6H5	LT	1.8	UGL			
DBCP	LT	5.6	UGL			
DCPD	LT	3.7	UGL			
DMDS	LT	3.7	UGL			
ETC6H5	LT	2.4	UGL			
MEC6H5	LT	3.5	UGL			
MIBK	LT	1.2	UGL			
TCLEE	LT	2.9	UGL			
TRCLE	LT	2.0	UGL			
XYLEN	LT	2.4	UGL			
12DCD4		11.	UGL	N		10.000
CD2CL2		12.	UGL	N		10.000
ETBD10		9.8	UGL	N		10.000

Method: UU8Analysis Number: GSL011 Lab Number: PLUME#30

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
111TCE	42.	UGL		N		40.000
112TCE	41.	UGL		N		40.000
11DCLE	42.	UGL		N		40.000
12DCD4	42.	UGL		N		40.000
12DCE	42.	UGL		N		40.000
12DCLE	44.	UGL		N		40.000
13DMB	21.	UGL		N		20.000
BCHPD	43.	UGL		N		40.000
C6H6	43.	UGL		N		40.000
CCL4	42.	UGL		N		40.000
CD2CL2	55.	UGL		N		40.000

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02585Sample Date: 11/10/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSL011 Lab Number: PLUME#30Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CH2CL2	38.	UGL	R	N	40.000
CHCL3	44.	UGL		N	40.000
CLC6H5	40.	UGL		N	40.000
DBCP	41.	UGL		N	40.000
DCPD	40.	UGL		N	40.000
DMDS	42.	UGL		N	40.000
ETBD10	41.	UGL		N	40.000
ETC6H5	42.	UGL		N	40.000
MEC6H5	41.	UGL		N	40.000
MIBK	39.	UGL		N	40.000
TCLEE	45.	UGL		N	40.000
TRCLE	41.	UGL		N	40.000
XYLEN	62.	UGL		N	60.000

Method: WW8Analysis Number: GWJ008 Lab Number: PLUME#29Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
HG	LT 0.500	UGL			

Method: PP8AAnalysis Number: QBA013 Lab Number: PLUME#29Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
BTZ	LT 1.14	UGL			
CPMS	LT 1.08	UGL			
CPMSO	LT 1.98	UGL			
CPMSO2	LT 2.24	UGL			
DITH	LT 3.34	UGL			
DMDS	LT 1.16	UGL			
OXAT	LT 1.35	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02596Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: VV8Analysis Number: GHX009 Lab Number: PLUME#46

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
AS	LT 1.00	UGL			

Method: NN8Analysis Number: GJV009 Lab Number: PLUME#46

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CL	110000.	UGL			
F	LT 10000.	UGL			
SO4	98000.	UGL			

Method: MM8AAnalysis Number: GPY009 Lab Number: PLUME#46

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
ALDRN	LT 0.0830	UGL			
CL6CP	LT 0.0830	UGL			
CLDAN	LT 0.152	UGL			
DLDRN	LT 0.0539	UGL			
ENDRN	0.0637	UGL	C		
ISODR	LT 0.0560	UGL			
PPDDE	LT 0.0460	UGL			
PPDDT	LT 0.0590	UGL			

Method: UU8Analysis Number: GSO004 Lab Number: PLUME#46

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT 2.4	UGL			
112TCE	LT 1.6	UGL			
11DCLE	LT 1.4	UGL			
12DCE	LT 3.2	UGL			
12DCLE	LT 0.72	UGL			
13DMB	LT 2.9	UGL			
BCHPD	LT 1.8	UGL			
C6H6	LT 2.7	UGL			
CCL4	LT 4.9	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02596Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSO004 Lab Number: PLUME#46

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE	LT	2.9	UGL		
TRCLE	LT	2.0	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		10.	UGL	N	10.000
CD2CL2		10.	UGL	N	10.000
ETBD10		9.8	UGL	N	10.000

Method: UU8Analysis Number: GSO005 Lab Number: PLUME#48

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
111TCE	LT	2.4	UGL	D	
112TCE	LT	1.6	UGL	D	
11DCLE	LT	1.4	UGL	D	
12DCE	LT	3.2	UGL	D	
12DCLE	LT	0.72	UGL	D	
13DMB	LT	2.9	UGL	D	
BCHPD	LT	1.8	UGL	D	
C6H6	LT	2.7	UGL	D	
CCL4	LT	4.9	UGL	D	
CH2CL2	ND	5.0	UGL	R	
CHCL3	LT	1.7	UGL	D	
CLC6H5	LT	1.8	UGL	D	
DBCP	LT	5.6	UGL	D	
DCPD	LT	3.7	UGL	D	
DMDS	LT	3.7	UGL	D	
ETC6H5	LT	2.4	UGL	D	
MEC6H5	LT	3.5	UGL	D	
MIBK	LT	1.2	UGL	D	
TCLEE	LT	2.9	UGL	D	
TRCLE	LT	2.0	UGL	D	

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02596Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSO005 Lab Number: PLUME#48Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
XYLEN	LT 2.4	UGL	D		
12DCD4	11.	UGL	D	N	10.000
CD2CL2	12.	UGL	D	N	10.000
ETBD10	10.	UGL	D	N	10.000

Method: WW8Analysis Number: GWL009 Lab Number: PLUME#46Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
HG	LT 0.500	UGL			

Method: QQ8Analysis Number: QAA009 Lab Number: PLUME#46Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
DIMP	LT 10.1	UGL			
DMMP	LT 16.3	UGL			

Method: PP8AAnalysis Number: QBD009 Lab Number: PLUME#46Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
BTZ	LT 1.14	UGL			
CPMS	LT 1.08	UGL			
CPMSO	LT 1.98	UGL			
CPMSO2	LT 2.24	UGL			
DITH	LT 3.34	UGL			
DMDS	LT 1.16	UGL			
OXAT	LT 1.35	UGL			

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02598Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: VV8Analysis Number: GHX010 Lab Number: PLUME#47Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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AS	LT	1.00	UGL			
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Method: NN8Analysis Number: GJV010 Lab Number: PLUME#47Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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CL		1300000.	UGL			
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F	LT	10000.	UGL			
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SO4		130000.	UGL			
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Method: MM8AAnalysis Number: GPY010 Lab Number: PLUME#47Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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ALDRN	LT	0.0830	UGL			
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CL6CP	LT	0.0830	UGL			
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CLDAN	LT	0.152	UGL			
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DLDRN		0.0959	UGL	C		
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ENDRN		0.383	UGL	C		
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ISODR	LT	0.0560	UGL			
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PPDDE	LT	0.0460	UGL			
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PPDDT	LT	0.0590	UGL			
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Method: UU8Analysis Number: GSN008 Lab Number: PLUME#47Test

<u>Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC</u>	<u>Spike</u>
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111TCE	LT	2.4	UGL			
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112TCE	LT	1.6	UGL			
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11DCLE		59.	UGL			
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12DCE		13.	UGL			
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12DCLE	LT	0.72	UGL			
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13DMB	LT	2.9	UGL			
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BCHPD	LT	1.8	UGL			
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C6H6	LT	2.7	UGL			
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CCL4	LT	4.9	UGL			
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Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02598Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: UU8Analysis Number: GSN008 Lab Number: PLUME#47

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
CH2CL2	ND	5.0	UGL	R	
CHCL3		200.	UGL		
CLC6H5	LT	1.8	UGL		
DBCP	LT	5.6	UGL		
DCPD	LT	3.7	UGL		
DMDS	LT	3.7	UGL		
ETC6H5	LT	2.4	UGL		
MEC6H5	LT	3.5	UGL		
MIBK	LT	1.2	UGL		
TCLEE		3.0	UGL		
TRCLE		4.7	UGL		
XYLEN	LT	2.4	UGL		
12DCD4		12.	UGL	N	10.000
CD2CL2		11.	UGL	N	10.000
ETBD10		10.	UGL	N	10.000

Method: WW8Analysis Number: GWL010 Lab Number: PLUME#47

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
HG	LT	0.500	UGL		

Method: QQ8Analysis Number: QAA010 Lab Number: PLUME#47

<u>Test Name</u>	<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
DIMP	LT	10.1	UGL		
DMMP	LT	16.3	UGL		

Final Data Report for MKE Sampling ProgramsSite Identification: WELL 02598Sample Date: 12/20/89Depth(ft): 0.0 Sampling Technique: BMethod: PP8AAnalysis Number: QBD010 Lab Number: PLUME#47

<u>Test</u> <u>Name</u>		<u>Corrected Value</u>	<u>Units</u>	<u>FC</u>	<u>QC</u>	<u>QC Spike</u>
BTZ	LT	1.14	UGL			
CPMS	LT	1.08	UGL			
CPMSO	LT	1.98	UGL			
CPMSO2	LT	2.24	UGL			
DITH	LT	3.34	UGL			
DMDS	LT	1.16	UGL			
OXAT	LT	1.35	UGL			

APPENDIX C

Well Logs for Monitoring Wells and
Piezometers Constructed in 1989

Borehole/Well No.: 01578

Project/Task No's. : 8048
3706-0101

Date Started: 11/21/89

Date Completed : 11/22/89

Drilling Inspector : Craig Allen

Reviewed AMB 1-9-90

Drilling Company : Arrow Drilling

Surveyed

Surveyed

Location: N 127707.523

Elevation : GS 5267.86 ft.

E 2185066.886

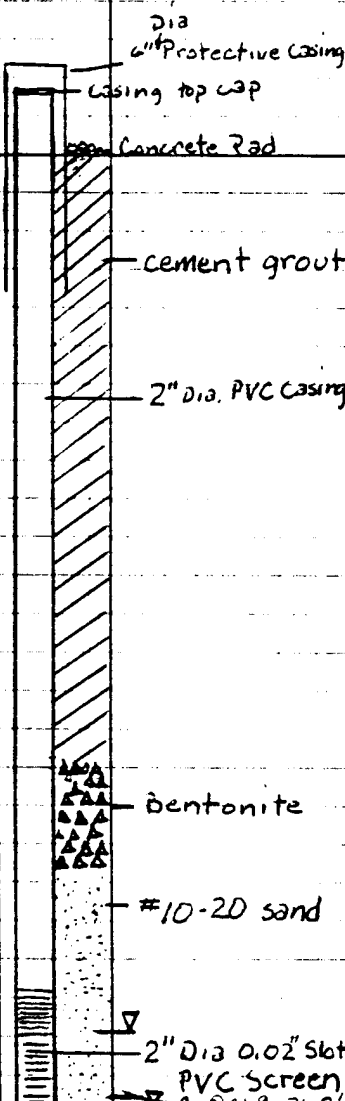
TOC 5269.60 ft.

Total Depth Drilled : 31.8 ft.

Drilling Type : Hollow Stem Auger

Static Water Level Depth : 24.62 ft.

below TOC. 11-27-89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/ Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
							
							Ground Surface
			100%				0-4 0-2.5 <u>sand</u> ; clayey, v.f. to coarse grained; dk brown; dry
			100%				2.5-4 <u>sand</u> ; silty, v.f. to v. coarse grained; lt brown; dry
5			100%				4-9 <u>sand</u> ; silty, v.f. to v. coarse grained; lt brown; dry
			100%				9-14 9-10.5 <u>sand</u> ; silty, v.f. to v. coarse grained; lt brown; dry
10			100%				10.5-12.5 <u>sand</u> ; clayey, silty, v.f. to coarse grained; med brown; dry
			100%				12.5-14 <u>sand</u> ; clayey, v.f. to coarse grained; med brown; slightly moist; stiff
15	N/A	CONTINUOUS SAMPLING w/ 5' SAMPLE BARREL	100%				14-19 14-15.9 <u>sand</u> ; clayey, v.f. to coarse grained; med brown; slightly moist; stiff
			100%				15.9-19 <u>claystone</u> ; sandy, v.f. to v. coarse grained; dk brown to gray; dry; moderately vthd; moderately fractured; friable
20			100%				19-24 19-20.7 <u>claystone</u> ; sandy, v.f. to med grained; dk brown to bluish gray; moist; highly fractured
			100%				20.7-22.4 <u>sandstone</u> ; clayey, v.f. to med grained; lt brown; slightly moist; cemented; hard
25							22.4-24 <u>siltstone</u> ; sandy, v.f. grained; moist; moderately fractured; friable

Borehole/Well No.: # 01579

Project/Task No's.: 8048/370621.01

Date Started: 11/22/89

Date Completed: 11/27/89

Drilling Inspector: Craig Allen

Reviewed QMB 1-9-90

Drilling Company: Arrow Drilling

Surveyed

Location: N 177569.576

Surveyed

Elevation: GS 5268.00 ft.

E 2194638.589

TOC 5269.32 ft.

Total Depth Drilled: 28.60 ft. Drilling Type: Hollow Stem Auger

Static Water Level Depth: 24.80 ft.

Below TOC, 11-28-89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
					6" Dia. Protective Casing Top of casing cap Concrete Pad		- Ground Surface
5			100%		Cement Grout	0-4	sand; silty, v.f. to v. coarse grained; lt to med brown; dry; approx. one ft. topsoil
			80% Compaction		2" Dia. PVC Casing	4-9	sand; silty; v.f. to v. coarse grained; lt brown; dry to slightly moist
10			80% Compaction			9-14	9-12.7 sand; silty; v.f. to v. coarse grained; lt brown; dry to slightly moist
			80% Compaction			12.7-14	sand; clayey, v.f. to v. coarse grained; med brown; slightly moist; stiff; 20% tan clayey sand nodules
15			80% Compaction		Bentonite	14-19	14-15.2 sand; clayey; v.f. to v. coarse grained; med brown; slightly moist; stiff
			80% Compaction			15.2-17.5	sand; v.f. to v. coarse grained; med brown; slightly moist - compacted
20			100%		#10-20 sand	17.5-18.6	sand; clayey; v.f. to med grained; med brown; slightly moist; stiff
					2" Dia. 0.02" Slot PVC Screen @ 18.6-28.6	18.6-19	claystone; sandy, v.f. to coarse grained; med brown; dry to moist; moderately fractured; slightly weathered; blocky structure

Borehole/Well No. : 01578Project/Task No's. : 8048/3766.01.01Date Started : 11/21/89Date Completed : 11/22/89


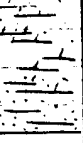
Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/ Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
25		Continuous Sampling w/5' Sample Barrel					
30			100%		2" Dia. 0.02 Slot PVC Screen		24-29 24-24.9 sandstone; clayey, v.f. to med grained; lt brown; dry; poorly cemented; friable
31.8			100%		#10-20 sand Threaded Bottom Plug		24.9-25.5 siltstone; sandy, v.f. to med grained; med brown; saturated; moderately fractured; lightly weathered 25.5-29 sandstone; clayey, v.f. to med grained; lt brown; dry to slightly moist; poorly cemented; friable 29-31.8 29-31.5 sandstone; clayey, v.f. to coarse grained; med brown to orange; moist to saturated; highly fractured; friable 31.5-31.8 siltstone; sandy, v.f. to med grained; med brown to orange; dry; slightly fractured; hard; grades to a claystone; sandy

Borehole/Well No.: # 01579

Project/Task No's.: 8048/3706.01C1

Date Started: 11/22/89

Date Completed: 11/27/89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/ Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
28.6			100%		2" Dia 0.02" Slot PVC Screen #10-20 sand Threaded Bottom Plug		<p>19-24 19-22 claystone; sandy, v.f. to med grained; med brown to green; dry to moist; highly fractured moderately wtd</p> <p>22-24 claystone; sandy, v.f. to coarse grained; lt brown; dry; highly fractured; moderately wtd</p> <p>24-28 28.6' claystone; sandy, v.f. to coarse grained; med brown, tan to orange; slightly moist; highly fractured; minor wtd; slightly friable; distinct BCPD odor; few thin interbeds of sandstone; v.f. to v.coarse grained; lt brown approx 26-27'</p>
	NA	CONTINUOUS SAMPLING w/ 5' SAMPLE BARREL					

Borehole/Well No. : # 01580

Project/Task No's. : 8048/3706.C1.01

Date Started : 11/21/89

Date Completed : 11/21/89

Drilling Inspector : Craig Allen

Reviewed AMB 1-9-90

Drilling Company : Arrow Drilling

Surveyed

Location : N 177289.776

Surveyed

Elevation : GS 5260.82 ft.

E 2185140.603

TOC 5262.80 ft.

Total Depth Drilled : 28.8 ft.

Drilling Type : Hollow Stem Auger

Static Water Level Depth : 20.2 ft.

Below TOL, 11-27-89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
5					2" DIA PVC Casing		
10					Bentonite		
15					#10-20 Sand		
20					0.02" slot 2" Dia PVC casing screen @ 8.8-28.8'		
25							
						Ground Surface	
						0-4	0-2.4 sand; silty, v.f. to med grained; dk brown; moist; top soil
						2.4-4	sand; silty, v.f. to v. coarse grained; light brown; dry
						4-9	sand; silty, v.f. to v. coarse grained; light brown; slightly moist
						9-14	9-9.8 sand; silty, v.f. to v. coarse grained; light brown; slightly moist
						9.8-14	sand; clayey, v.f. to v. coarse grained; reddish brown; moist; w/ minor tan clayey sand nodules
						14-19	14-15.4 sand; clayey, v.f. to v. coarse grained; reddish brown; moist
						15.4-18	clay; sandy, v.f. to v. coarse grained; reddish brown; moist
						18-19	sand; clayey, v.f. to v. coarse grained; reddish brown; moist
						19-24	19-23.2 sand; clayey, v.f. to v. coarse grained; reddish brown; moist to saturated
						23.2-24	claystone; sandy, v.f. to v. coarse grained; med brown; dry to moist; moderately wtd; friable

Borehole/Well No. : 70158C

Project/Task No's. : 8042
3706.010

Date Started : 11/21/85

Date Completed : 11/21/89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count / Feed Pressure	Sample Type	Sample Depth / % Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
30	NA	CONTINUOUS SAMPLING	100%		#10-20 Sand 0.02" slot 2" Dia PVC Screen Threaded bottom plug		24-28.8 24-27.3 claystone; sandy, v.f. to v. coarse grained; med brown; saturated 27.3-28.8 siltstone; sandy, v.f. to med grained; dk gray to blue; v. dry; v. friable; too thick bedding planes thru out

Borehole/Well No.: #01581

Project/Task No's.: 8045
2706-01-01

Date Started: 11/20/89

Date Completed: 11/20/89

Drilling Inspector: Craig Allen

Reviewed RMB 1-9-90

Drilling Company: Arrow Drilling

Surveyed

Surveyed

Location: N 177262.445

Elevation: GS 5266.66 ft.

E 2184871.680

TOC 5268.54 ft.

Total Depth Drilled: 33.5 ft.



Drilling Type: Hollow Stem Auger

Static Water Level Depth: 25.60 ft.

Baker TOC, 11-28-89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
0					6" Protective casing Top cap concrete pad		
0-4			100%		Cement Grout		sand; silty, v.f. to v.coarse grained; red brown; moist to 2 feet then dry
4-9			75%		2" Dia PVC Casing		sand; silty, v.f. to v.coarse grained; lt brown; slightly moist
9-14			75%		Bentonite		sand; silty, v.f. to v.coarse grained; lt brown; slightly moist
14-19			100%		#10-20 Sand		sand; silty, v.f. to v.coarse grained; lt brown; slightly moist to moist
19-24			100%		0.02" Slot 2" Dia PVC screen @ 13.5-33.5'		sand; clayey, v.f. to v.coarse grained; red brown; moist; w/ minor tan clayey sand nodules
21.5-24			100%				sand; clayey, v.f. to v.coarse grained; red brown; moist; more clay than above interval; saturated at 24 feet

Borehole/Well No.: 01581Project/Task No's.: 8048
3706.C1.C1Date Started: 11/20/89Date Completed: 11/20/89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/ Feed Pressure	Sample Type	Sample Depth/ % Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
30			80% TUBE BLOCKED		#10-20 Sand 0.02" slot 2" Dia PVC Screen Threaded bottom plug		24-29 upper 2.5 sand; clayey, v.f. to v.coarse grained; med brown; saturated lower 1.5 claystone; sandy, v.f. to v.coarse grained; med brown to dk green; moist; highly wthd; friable; blocky structure Denver Fm. at 27 feet 29-33.5 29-32.5 claystone; sandy, v.f. to v.coarse grained; med brown to dk green; moist to saturated; moderately wthd; moderately fractured; friable; hard 32.5-33.5 claystone; sandy, v.f. to v.coarse grained; med brown to greenish orange; moist to dry; moderately wthd; moderately fractured; friable; hard

Borehole/Well No. : # C1582Project/Task No's. : 8048
3706-C1.01Date Started : 11/20/89Date Completed : 11/20/89Drilling Inspector : Craig AllenReviewed AMB 1-9-90
899Drilling Company : Arrow Drilling

1-9-90

Surveyed

Location : N 177475.726
E 2185732.496

Surveyed

Elevation : GS 5253.29 ft.
TOC 5255.03 ft.Total Depth Drilled : 18.7 ft.Drilling Type : Helian Stem AugerStatic Water Level Depth : 12.60 ft.

Below TOC, 11-28-89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
0					6" Dia Protective casing Top cap concrete pad Cement grout		Ground Surface
0-4			100%		2" Dia PVC Casing Bentonite		0-0.6 topsoil: sandy; dry; grass and roots
			100%		10-20 sand		0.6-4 sand; clayey, silty, v.f. to v.coarse grained; med brown; dry
4-9			75%				sand; clayey, v.f. to v.coarse grained; med brown; moist to partially saturated; w/ minor tan clayey sand nodules - partially saturated at 8'
9-14			100%		0.02" slot 2" Dia PVC screen @ 3.7-18.7		claystone; sandy, v.f. to coarse grained; med brown; moist; wtd; blocky
14-18.7							claystone; sandy, v.f. to v.coarse grained; med brown to orange; moist; highly wtd; friable; borders on a clayey sandstone

Borehole/Well No. : IC1583Project/Task No's. : 8048
3706-C1.01Date Started : 11/17/89Date Completed : 11/17/89Drilling Inspector : Craig AllenReviewed AMB 1-9-90Drilling Company : Arrow Drilling

Surveyed

Surveyed

Location : N 176863.145Elevation : GS 5255.54 ft.E 2184681.334TOC 5257.34 ft.Total Depth Drilled : 24 ft.Drilling Type : Hollow Stem AugerStatic Water Level Depth : 15.55 ft.Below TOC 11-28-89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
					6" Dia Protective casing Top cap Concrete pad Cement Grout 2" Dia PVC casing Bentonite 10-20 sand 0.02" Slot 2" Dia PVC screen @ 14.0-24.0' Threaded bottom plug		
5			100%				Ground Surface
			50% compaction				0-4 <u>sand</u> ; silty, v.f. to med grained; dark brown; slightly moist
			70% compaction				4-9 <u>sand</u> ; silty, v.f. to coarse grained; med brown; slightly moist
10			100%				9-14 9-12 <u>sand</u> ; silty, v.f. to coarse grained; med brown; slightly moist
			100%				12-14 <u>sand</u> ; clayey, v.f. to coarse grained; reddish brown; moist; very stiff; w/tan nodules of clayey sand
15			100%				14-19 <u>sand</u> ; clayey, v.f. to coarse grained; reddish brown; moist; to slightly saturated; very stiff; w/tan nodules of clayey sand; saturated at lower portion
20			100%				19-24 <u>sand</u> ; clayey, v.f. to coarse grained; med to reddish brown; saturated; stiff
25							

Borehole/Well No. : #02595Project/Task No's. : 8048 3706-CL01Date Started : 11/16/89Date Completed : 11/17/89Drilling Inspector : Craig AllenDrilling Company : Arrow Drilling

Abandoned 11/30/89,
Replaced w/ Well 02598,
Reviewed AMB 1-9-90

Surveyed

Location : N 176875.667E 2182303.482

Surveyed

Elevation : GS 5252.1 ft.TOC NA ft.Total Depth Drilled : 38.2 ft.Drilling Type : Hollow Stem AugerStatic Water Level Depth : 26.95 ft.Below Ground, 11-30-89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
5	NA	CONTINUOUS SAMPLING w/ 5' SAMPLE BARREL	100%	WELL ABANDONED			Ground Surface
			100%				0-4 0-0.8 <u>topsoil</u> ; sandy; dk brown; moist
			100%				0.8-4 <u>sand</u> ; silty, v.f. to coarse grained; oed brown to orange; dry to moist
			100%				4-9 <u>sand</u> ; silty, v.f. to coarse grained; lt brown to orange; dry
			100%				9-14 9-12.2 <u>sand</u> ; silty, v.f. to coarse grained; lt brown to orange; dry
10	NA	CONTINUOUS SAMPLING w/ 5' SAMPLE BARREL	100%	WELL ABANDONED			12.2-12.5 <u>sand</u> ; clayey, v.f. to v.coarse grained; oed brown; slightly moist
			100%				12.5-14 <u>sand</u> ; silty, clayey, v.f. to v.coarse grained; oed brown to tan; dry; w/ caliche
15			100%				14-17 <u>sand</u> ; silty, v.f. to coarse grained; oed brown; dry
			100%				17-18.5 <u>volcanic</u> ; v.f. clay matrix; tan to gray; k-spar, siliceous xtls; very light (wt)
			100%				18.5-19 <u>claystone</u> ; sandy; v.f. to v.coarse grained; oed brown; dry; lithic fragments
20	NA	CONTINUOUS SAMPLING w/ 5' SAMPLE BARREL	80%	WELL ABANDONED			19-24 upper 1.7' <u>claystone</u> ; sandy; v.f. to v.coarse grained; oed brown; dry to slightly moist; highly utbd; friable
							1.7-2.4' <u>claystone</u> ; lt gray to blue; dry; blocky
							2.4-4.0' <u>siltstone</u> ; sandy, v.f. to coarse grained; oed brown; highly utbd; friable
25							


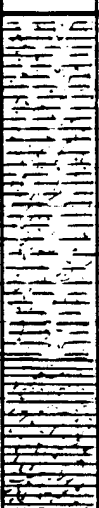
Borehole/Well No. : #02595

Project/Task No's. : 3706.C1.C1

Date Started : 11/16/89

Date Completed : 11/17/89

ABANDONED 11/30/89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
30	NA	CONTINUOUS SAMPLING w/ 5' SAMPLE BARREL	100%	WELL ABANDONED			24-29 24-28.1 siltstone; sandy, v.f. to v. coarse grained; med brown; moist; w/ minor clay and lithic fragments; highly wthd; moderately fractured
35			100%				28.1-29 siltstone; sandy, v.f. to fine grained; tan; dry to moist; w/ minor clay; highly wthd; moderately fractured
40			60% SAMPLE SLIDED OUT				29-34 claystone; sandy, v.f. to v. coarse grained; med brown; saturated to moist; moderately fractured; friable; saturated in approx. 2' thick zones from 29-32.5' moist to dry 32.5-34'
							34-39 claystone; sandy, v.f. to coarse grained; med brown to orange; saturated; moderately fractured (horiz); hard; good water bearing zone

Borehole/Well No. : # 025916

Project/Task No's. : 8048/3706.01.C1

Date Started : 11/15/89

Date Completed : 11/16/89

Drilling Inspector : Craig Allen

Reviewed AMB 1-9-90

Drilling Company : Arrow Drilling

Surveyed

Surveyed

Location : N 176573 388

Elevation : GS 5248.55

E 2182695 696

TOC 5250.08 ft.

Total Depth Drilled : 31.26 ft. Drilling Type : Hollow Stem Auger

Static Water Level Depth : 25.45 ft.

Below TOC, 12-1-89

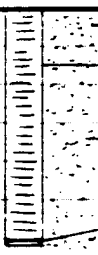
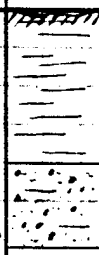
Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
0					6" Dia Protective casing Top of casing cap Concrete Pad		Ground Surface
5			100%				0-4 sand; silty, v.f. to v.coarse grained; lt brown to orange; dry
10	NA	Continuous Sampling w/ 5' Sample Barrel	70%		2" Dia. PVC Casing		4-9 sand; silty, v.f. to v.coarse grained; lt brown to orange; dry
15			70%		Cement Grout		9-14 sand; silty, v.f. to v.coarse grained; lt brown to orange; dry
20			100%		Bentonite		14-19 14-18.5 sand; silty, v.f. to coarse grained; lt to med brown; slightly moist
25			75%		*10-20 sand		18.5-19 sand; clayey, v.f. to med grained; med brown; slightly moist
			Compaction		2" Dia. 0.02" slot PVC screen		19-24 19-23 sand; silty; v.f. to coarse grained; lt to med brown; slightly moist
					@ 21.2 - 31.2'		23-24 clay; sandy; v.f. to med grained; med brown; moist

Borehole/Well No.: # 02596

Project/Task No's.: 8048/3706.01.C1

Date Started: 11/15/89

Date Completed: 11/16/89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/ Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
0 30 31.2		Continuous Sampling	100% 100%		2" Dia. 0.02" Slot PVC screen #10-20 sand Threaded Bottom Plug		24-29 24-25 sand; clayey, v.f. to coarse grained; lt brown; saturated 25-29 claystone; med brown to dk green; moist to saturated along fracture planes; friable 29-31.2 sandstone; silty; v.f. to coarse grained; med brown to lt orange; very moist; saturated at 30.8'; moderately wtd; highly fractured; friable - penetration refusal

Borehole/Well No. : 02597Project/Task No's. : 3706-01.01Date Started : 11/15/89Date Completed : 11/15/89Drilling Inspector : Craig AllenReviewed AMB 1-9-90Drilling Company : Arrow Drilling

Surveyed

Surveyed

Location : N 176805.914
E 2181477.002Elevation : GS 5232.30 ft.
TOC 5234.00 ft.Total Depth Drilled : 18.5 ft. Drilling Type : Hollow Stem AugerStatic Water Level Depth : 14.5 ft.

Below TOC, 11-28-89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
0-4							Ground Surface
0-1.9							silt; clayey; dk brown to black; moist; topsoil
1.9-4.0							silt; sandy, v.f. to med grained; med brown; dry to slightly moist
4-9							silt; sandy, v.f. to v.coarse grained; med brown; slightly moist
7.3-9.0							sand; silty; v.f. to v.coarse grained; lt brown; slightly moist
9-14							sand; silty; v.f. to v.coarse grained; lt to med brown; slightly moist
13.3-13.5							clay; sandy; v.f. grained; lt green to tan; moist
13.5-14							sand; silty; f. to v.coarse grained; lt brown; saturated; w/ 52 pebbles to 1/4" dia
14-18.5							sand; silty, fine to v.coarse grained; lt to dk brown; saturated; w/ 202 pebbles to 1/8" dia
14.4-17							clay; sandy, v.f. grained; med brown; moist; blocky
17-17.8							sand; f. to v.coarse grained; brown; saturated; 102 pebbles to 1/4" dia
17.8-18.5							claystone; sandy, v.f. grained; tan to orange; dry

CONTINUOUS SAMPLING
w/ 5" SAMPLE BARREL

NA

6" Dia Protective Casing
Top cap
Concrete Pad
Cement Grout
2" Dia PVC Casing
Bentonite
#10-20 sand
0.02" Slot
2" Dia PVC Screen @ 8.5-18.5'

Threaded bottom plug

Borehole/Well No. : 02598Project/Task No's. : 80418
3706.01.01Date Started : 12/1/89Date Completed : 12/1/90Drilling Inspector : Craig AllenReviewed AMB 1-9-90Drilling Company : Arrow Drilling

Surveyed

Location : N 176882.261

Surveyed

Elevation : GS 5251.68 ft.E 2182312.705TOC 5253.27 ft.Total Depth Drilled : 39.1 ft.Drilling Type : Hollow Stem AugerStatic Water Level Depth : 28.18 ft.Below TOC, 12-4-89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
					6" Dia Protective casing Top cap concrete pad		
					Cement Grout		Ground Surface
5					2" Dia PVC casing		SEE LOG OF UENH #02595
10							
15	N/A				Bentonite		
					10-20 sand		
20					0.02" Slot 2" Dia PVC Screen @ 18.5-38.5'		
25							

Borehole/Well No. : #02598

Project/Task No's. : ^{804E}306-01.01

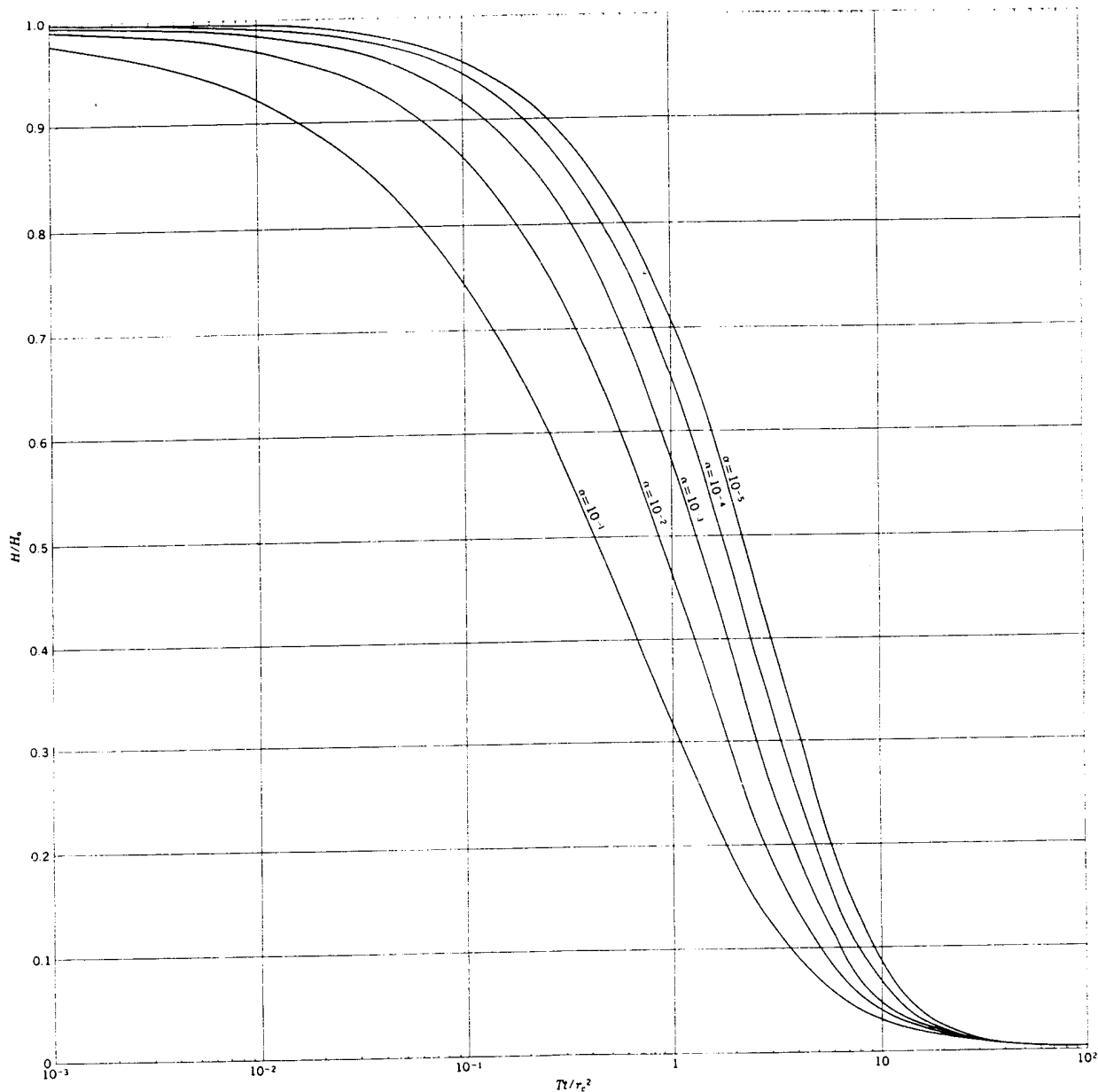
Date Started : 12/1/89

Date Completed : 12/1/89

Sample Information				Well Construction		Subsurface Information	
Depth Below Ground Surface (ft.)	Blow Count/ Feed Pressure	Sample Type	Sample Depth/% Recovery	Well Schematic	Material Description	Borehole Schematic	Lithologic and Hydrologic Description
30					10-20 SAND		SEE LOG OF WELL #02595
35					0.02" slot 2" Dia. PVC screen		
40					Threaded bottom plug		
	NA	NONE					
		SEE LOG OF #02595					
			NA				
						SEE LOG OF #02595	

APPENDIX D

Hydraulic Properties Testing Data

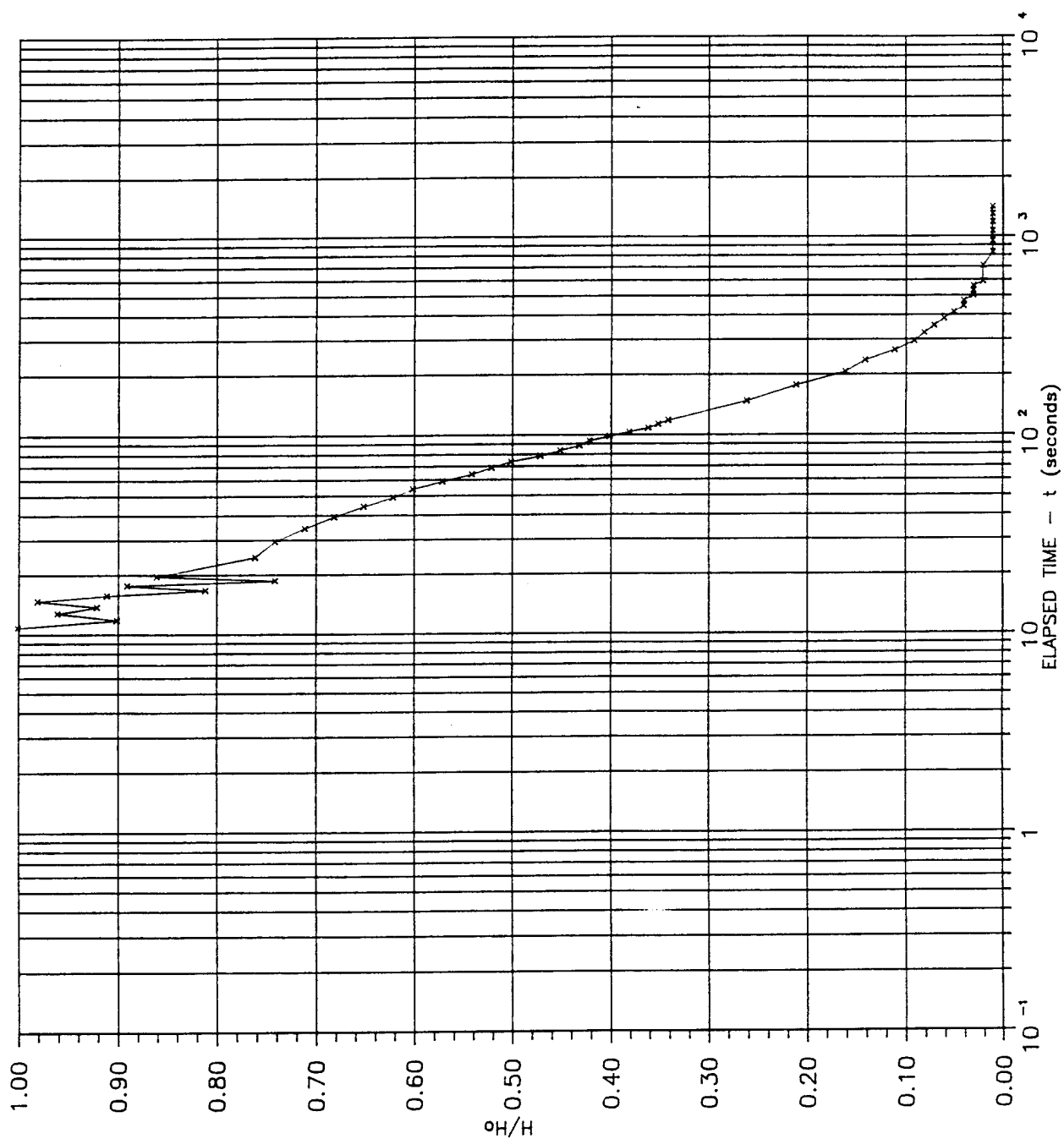


TYPE CURVES FOR H/H_0 VERSUS Tt/r_c^2 FOR FIVE VALUES OF α

After Cooper, Bredehoeft, and Popadopoulos (1967, table 1)

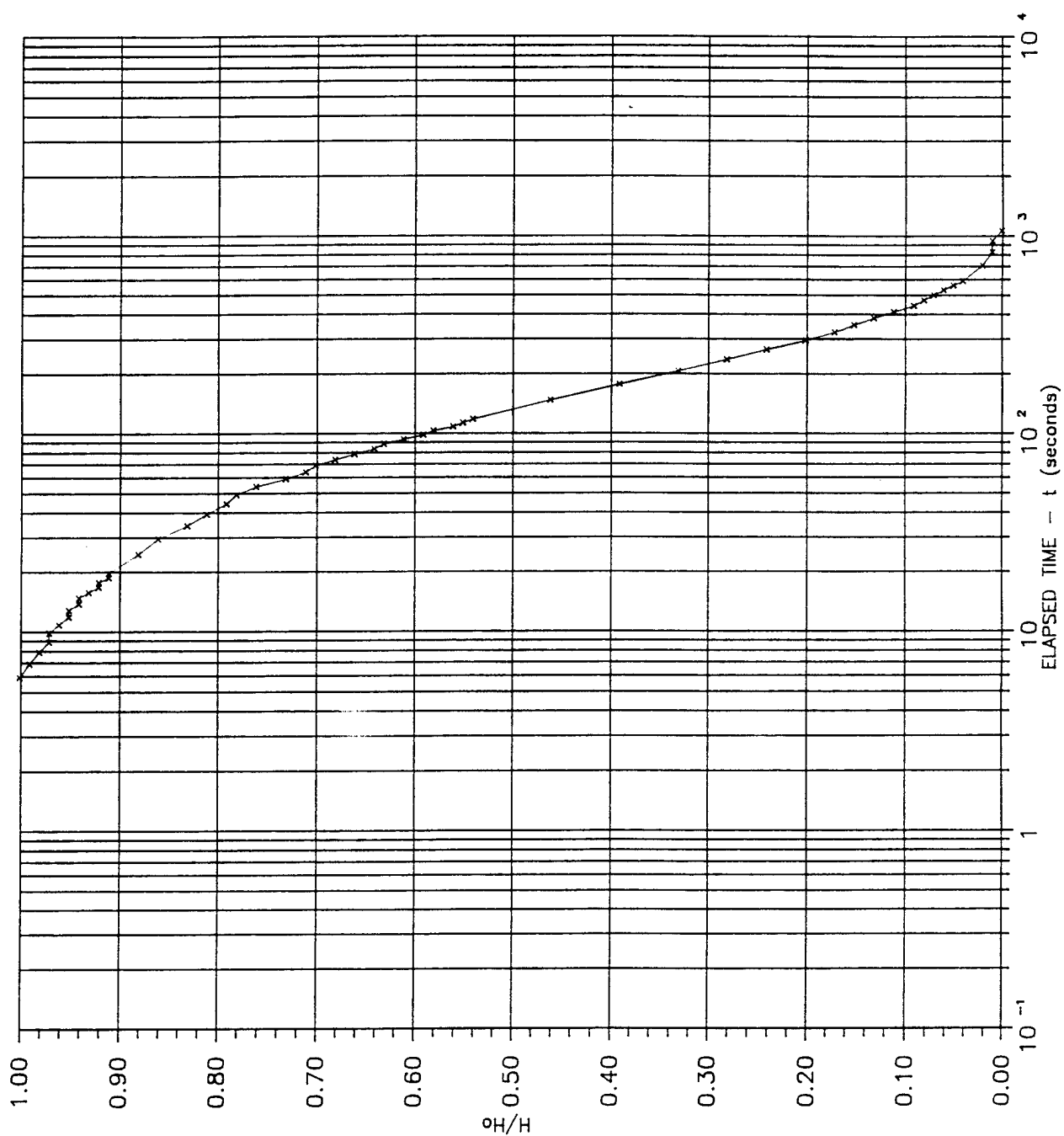
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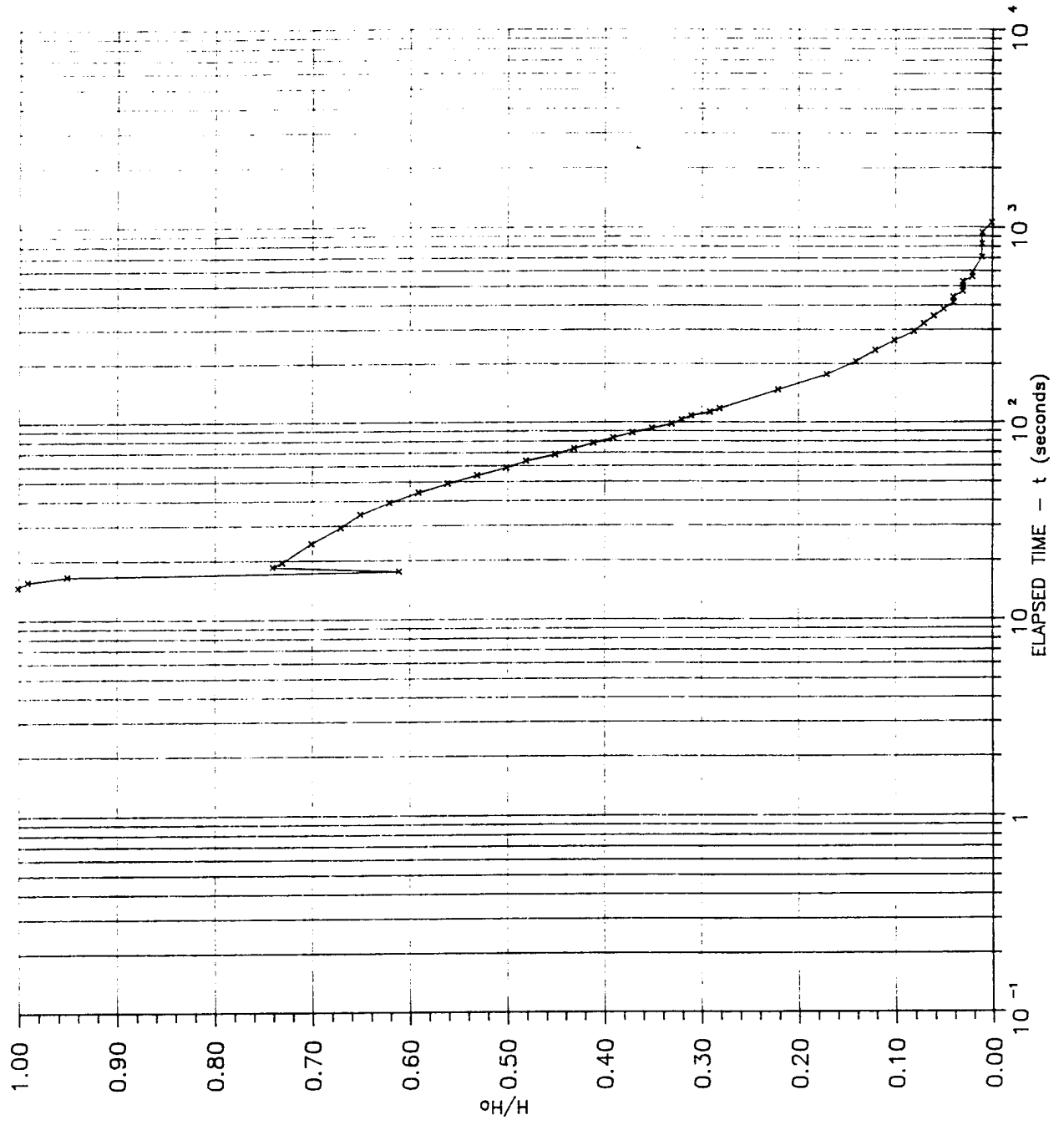


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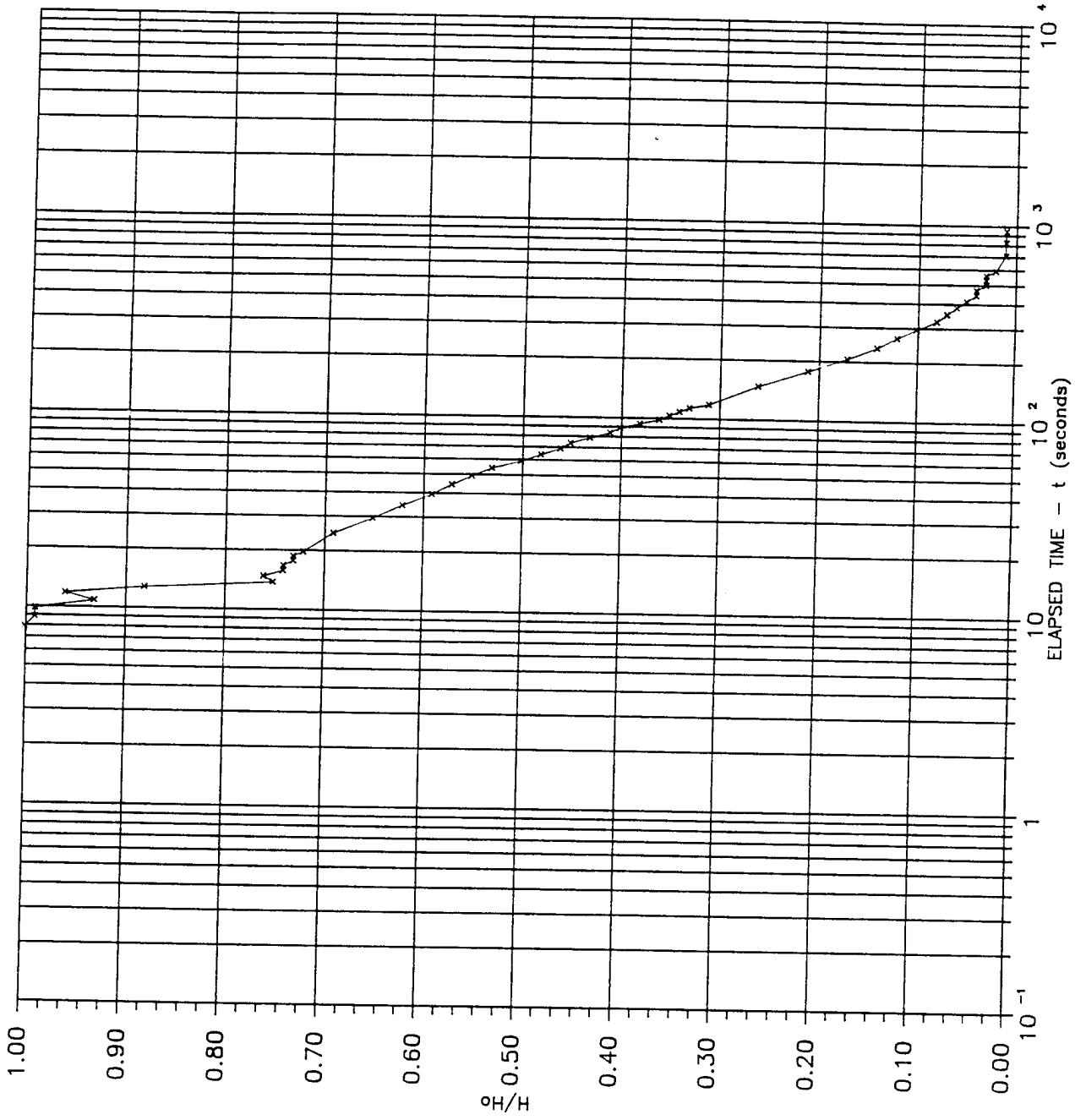
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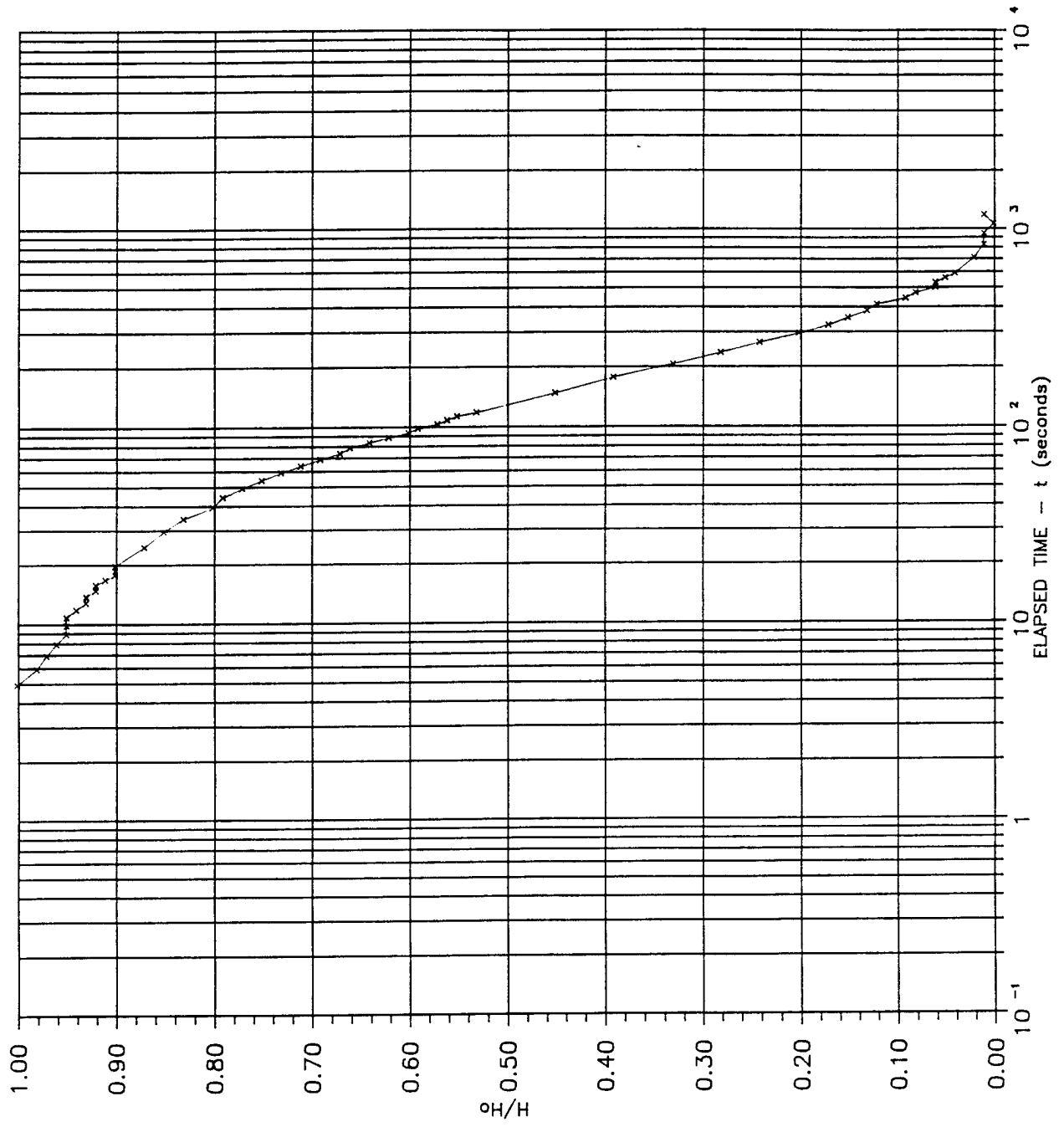
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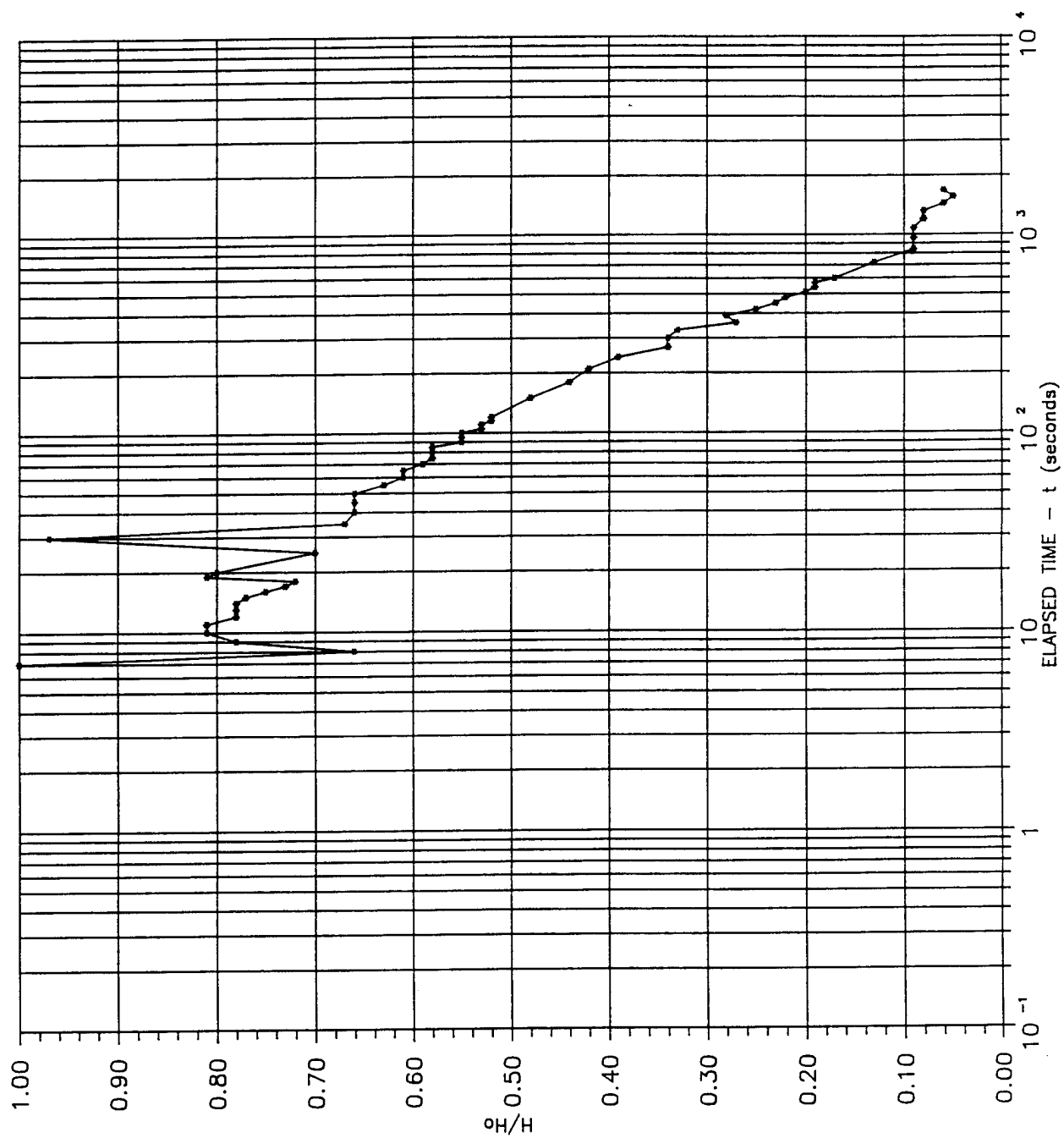


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Well No. - 2505 Test No. - 2
Test Date: 12/14/89 Test Time: 10:17



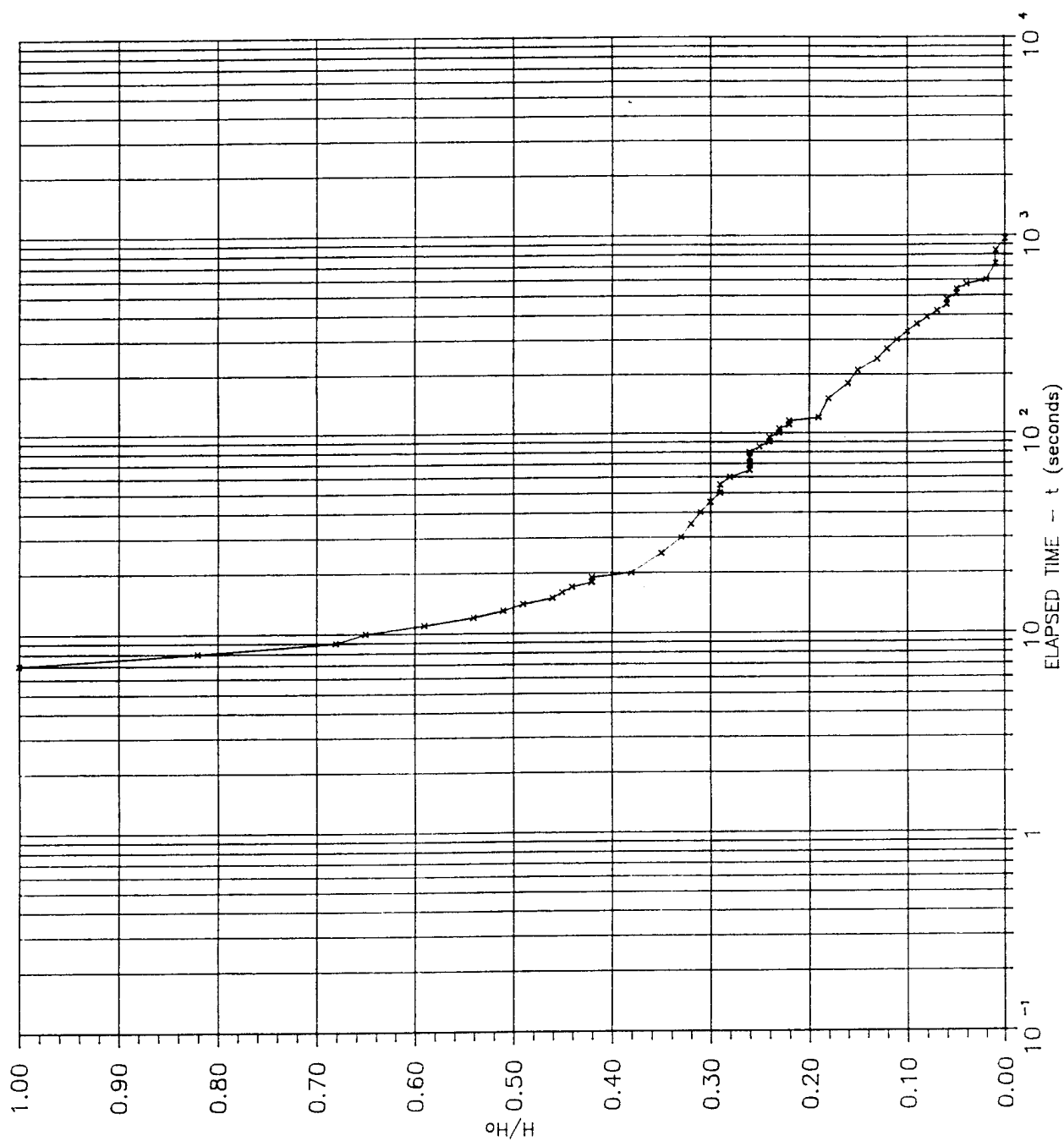
SLUG TEST DATA: SLUG IN

Well No. - 2598 Test No. - 4
 Test Date: 12/14/89 Test Time: 13:30

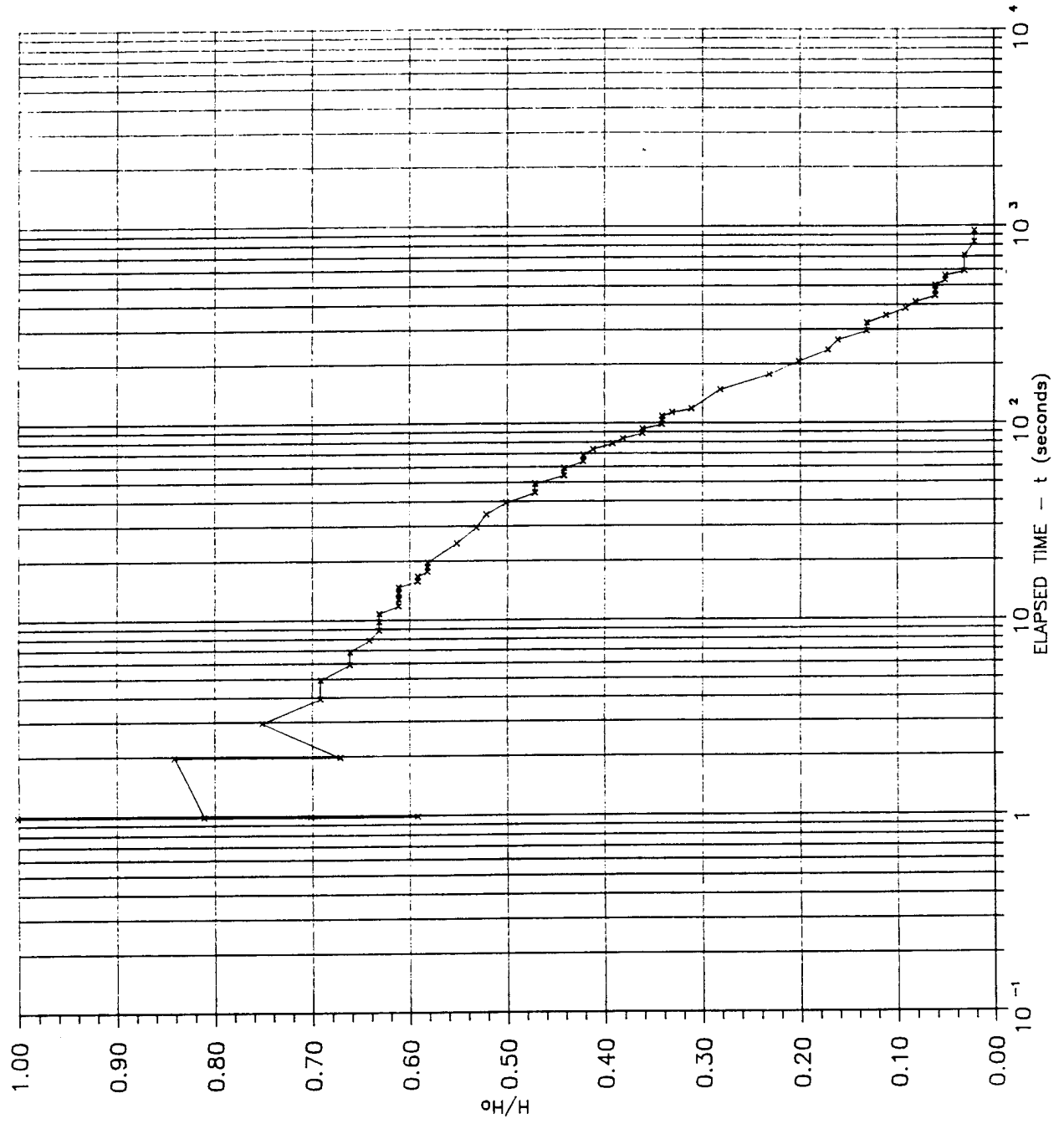


SLUG TEST DATA: SLUG OUT

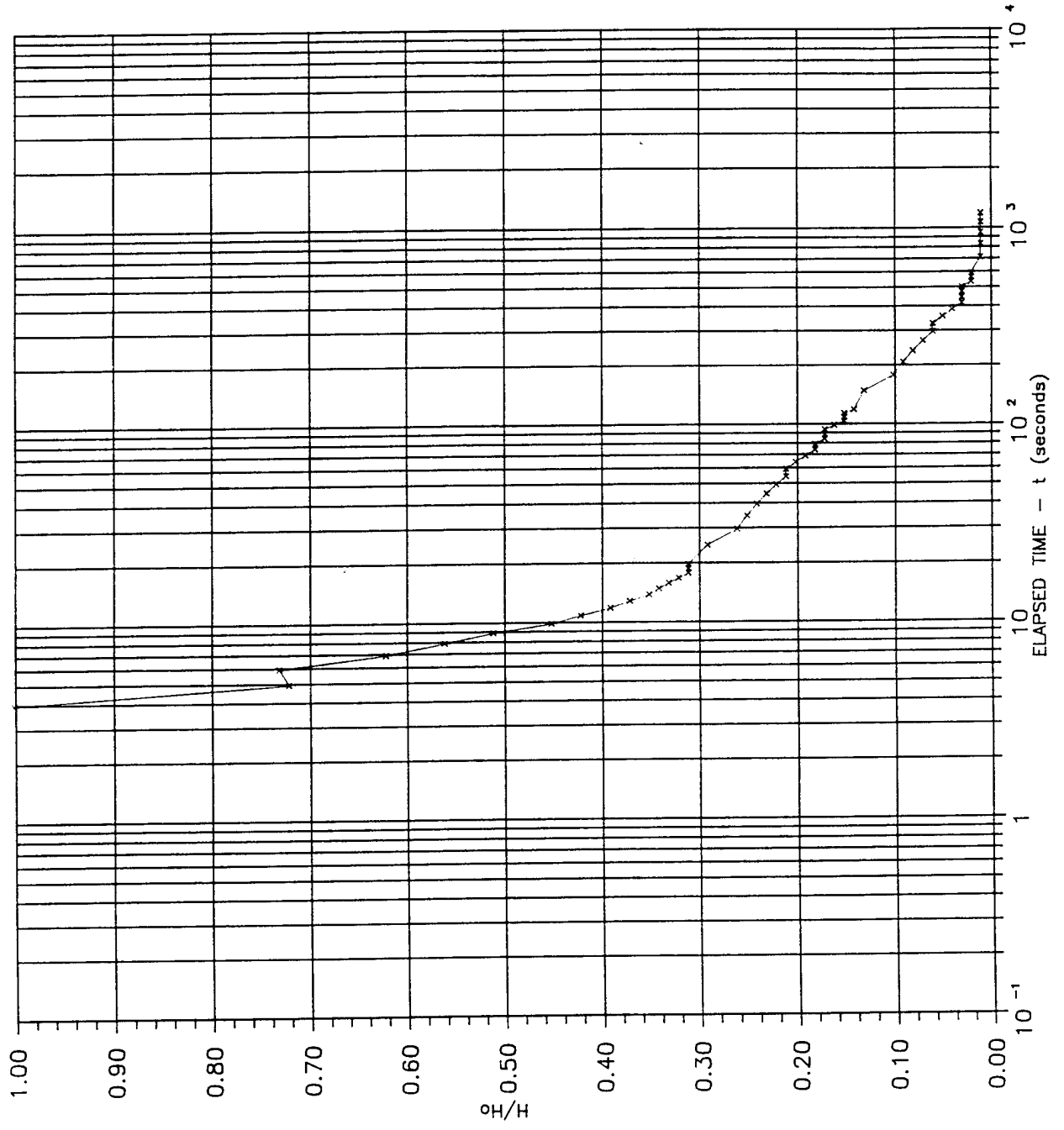
Well No. - 2598 Test No. - 5
 Test Date: 12/14/89 Test Time: 14:50



SLUG TEST DATA: SLUG OUT
Well No. - 1580 Test No. - 1
Test Date: 12/13/89 Test Time: 9:22

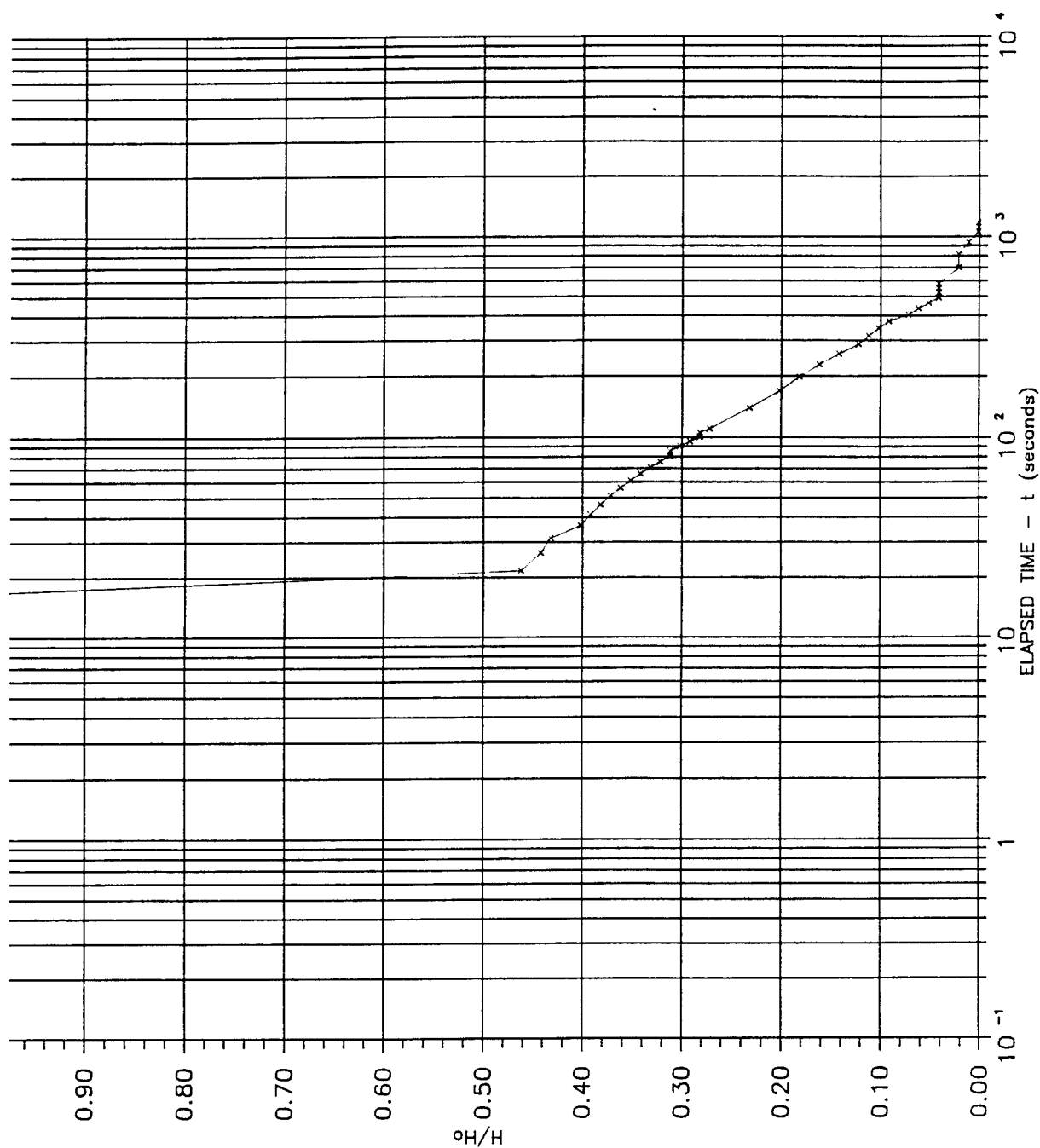


SLUG TEST DATA: SLUG OUT
Well No. - 1580 Test No. - 3
Test Date: 12/13/89 Test Time: 10:04



SLUG TEST DATA: SLUG IN

Well No. - 1580 Test No. - 4
 Test Date: 12/13/89 Test Time: 10:25



SLUG TEST DATA: SLUG OUT

Well No. - 1580 Test No. - 5
 Test Date: 12/13/89 Test Time: 10:48

